

Bowood Electronics Ltd.

Mail Order Catalogue

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Order Code:		Unit Price (£):
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1. Batteries

1.1. Zinc Chloride

A range of zinc chloride non-rechargeable batteries.

BAT001	AA/HP7 - 1.5v	0.25
BAT002	AAA - 1.5v	0.25
BAT003	C/HP11 - 1.5v	0.45
BAT004	D/HP2 - 1.5v	0.50
BAT005	PP3 - 9v	0.50
BAT006	1289 - 4.5v	1.25

1.2. Alkaline

BAT020	23A 12v Alkaline Battery Miniature 12v alkaline battery (type 23A) used in remote control and security equipment. (Diameter: 28.4 x 10mm)	0.85
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1.3. Alkaline Button Cells

A range of 7 popular types of 1.5v alkaline/manganese button cells as used in watches, calculators, etc.

BAT030	L621	0.40
BAT031	L726	0.40
BAT032	L736	0.40
BAT033	L754	0.40
BAT034	L1131	0.40
BAT035	L1142	0.40
BAT036	L1154	0.40

1.4. Lithium Coin Cells

3v Lithium Manganese non-rechargeable coin cells used in calculators, cameras, etc.

BAT040	CR1620	1.99
BAT041	CR2016	1.40
BAT042	CR2025	1.40
BAT043	CR2032	1.40
BAT044	CR2430	1.50

2. Battery Holders

A comprehensive range of battery holders moulded in black thermal plastic.

2.1. AA

BTH001	1 x AA - Solder	0.20
BTH002	1 x AA Pre-wired	0.22
BTH003	2 x AA Pre-wired	0.22
BTH004	2 x AA Press Stud	0.22
BTH005	4 x AA Long, Press Stud	0.25
BTH006	4 x AA Square, Press Stud	0.25
BTH007	6 x AA Press Stud	0.40

BTH008	8 x AA Press Stud	0.45
BTH009	10 x AA Press Stud	0.70

2.2. C/HP11

BTH020	1 x C Solder	0.30
BTH021	2 x C Press Stud	0.40
BTH022	4 x C Press Stud	0.45

2.3. D/HP2

BTH030	1 x D Solder	0.30
BTH031	2 x D Press Stud	0.40
BTH032	4 x D Press Stud	0.50

2.4. PCB Mounted

A range of PCB Mounting Battery Holders suitable for AAA, AA and PP3 batteries. Connections are made via PCB pins.

BTH040	1 x AAA	0.25
BTH041	2 x AAA	0.25
BTH042	1 x AA	0.25
BTH043	2 x AA	0.25
BTH044	1 x PP3	0.30
BTH048	CR2032 Coin Cell Holder PCB mounted battery holder for 20mm diameter 3v lithium manganese coin cells type CR2032.	0.45

2.5. Covered

Enclosed battery boxes with detachable lids. Also available with fitted miniature on/off slide switch.

BTH050	2 x AA Battery box & switch 65 x 32 x 18mm	0.65
BTH051	3 x AA Battery box & switch 68.5 x 48.5 x 18.5mm	0.85
BTH052	2 x AA Battery box 65 x 32 x 18mm	0.45
BTH053	3 x AA Battery box 68.5 x 48.5 x 18.5mm	0.68

2.6. Battery Snaps

Durable PP3 and PP9 battery snaps

BSN001	PP3 Battery snap	0.06
BSN002	PP3 Battery snap (High quality)	0.12
BSN003	PP9 Battery snap (2 piece)	0.16

3. Cable

3.1. Connecting Wire

SCW001	20m Single solid core wire 1/0.6mm. 1.8A. 2 metres of ten different colours.	1.20
SCW002	20m Stranded wire 7/0.2mm. 1.4A. 2 metres of ten different colours.	1.20

4. Cable Ties

White nylon cable ties with a non-releasable ratchet lock action.

4.1. Cable Ties

CBT001	100 Cable ties - 100mm	1.00
CBT002	100 Cable ties - 150mm	1.50
CBT003	100 Cable ties - 220mm	1.95
CBT004	100 Cable ties - 250mm	3.50

5. Capacitors

5.1. Ceramic

General purpose ceramic capacitors rated at 50v DC (100nF - 25v DC).

CAP100	1.0pF	0.05
CAP104	2.2pF	0.05
CAP108	3.3pF	0.05
CAP112	4.7pF	0.05
CAP116	6.8pF	0.05
CAP120	10pF	0.05
CAP124	15pF	0.05
CAP128	22pF	0.05
CAP132	33pF	0.05
CAP136	47pF	0.05
CAP140	68pF	0.05
CAP144	100pF	0.05
CAP148	120pF	0.05
CAP152	150pF	0.05
CAP156	180pF	0.05
CAP160	220pF	0.05
CAP164	270pF	0.05
CAP168	330pF	0.05
CAP172	390pF	0.05
CAP176	470pF	0.05
CAP180	560pF	0.05
CAP184	680pF	0.05
CAP188	820pF	0.05
CAP192	1n	0.05
CAP196	1n5	0.05
CAP200	2n2	0.05
CAP204	3n3	0.05
CAP208	4n7	0.05
CAP212	6n8	0.05
CAP216	10n	0.05
CAP220	47n	0.06
CAP224	100n	0.06

5.2. Electrolytic

5.2.1. Radial 10v

CAP011	100µF	0.06
CAP015	1000µF -- 12x10mm -- 5.0mm	0.12

5.2.2. Radial 16v

CAP020	10µF -- 5.0 x 11.0mm -- 2.0mm	0.06
CAP021	22µF -- 5.0 x 11.0mm -- 2.0mm	0.06
CAP022	47µF -- 5.0 x 11.0mm -- 2.0mm	0.06
CAP023	100µF -- 11.0 x 6.3mm -- 2.5mm	0.08
CAP024	220µF -- 11.0 x 6.3mm -- 2.5mm	0.10
CAP025	470µF -- 11.5 x 8.0mm -- 3.5mm	0.15
CAP026	1000µF -- 16.0 x 10.0mm -- 5.0mm	0.25
CAP027	2200µF -- 25.0 x 12.5mm -- 5.0mm	0.38
CAP028	4700µF -- 32.0 x 18.0mm -- 7.5mm	0.60

5.2.3. Radial 25v

CAP035	4.7µF -- 11.0 x 5.0mm -- 2.0mm	0.06
CAP036	10µF -- 11.0 x 5.0mm -- 2.0mm	0.06
CAP037	22µF -- 11.0 x 5.0mm -- 2.0mm	0.06
CAP038	47µF -- 11.0 x 5.0mm -- 2.0mm	0.06
CAP039	100µF -- 11.0 x 6.3mm -- 2.5mm	0.10
CAP040	220µF -- 11.5 x 8.0mm -- 3.5mm	0.12
CAP041	470µF -- 16.0 x 10.0mm -- 5.0mm	0.20
CAP042	1000µF -- 20.0 x 12.5mm -- 5.0mm	0.30
CAP043	2200µF -- 26.0 x 16.0mm -- 7.5mm	0.55
CAP044	4700µF -- 40.0 x 18.0mm -- 7.5mm	1.00

5.2.4. Radial 40v

CAP050	4.7µF -- 11.0 x 5.0mm -- 2.0mm	0.06
CAP051	10µF -- 11.0 x 5.0mm -- 2.0mm	0.06
CAP052	22µF -- 11.0 x 5.0mm -- 2.0mm	0.06

CAP053	47 μ F -- 11 x 6.3mm -- 2.5mm	0.10
CAP054	100 μ F -- 11.5 x 8.0mm -- 3.5mm	0.12
CAP055	220 μ F -- 12.5 x 10.0mm -- 5.0mm	0.15
CAP056	470 μ F -- 20.0 x 10.0mm -- 5.0mm	0.30
CAP057	1000 μ F -- 25.0 x 12.5mm -- 5.0mm	0.40

5.2.5. Radial 63v

CAP060	0.47 μ F -- 11.0 x 5.0mm -- 2.0mm	0.06
CAP061	1.0 μ F -- 11.0 x 5.0mm -- 2.0mm	0.06
CAP062	2.2 μ F -- 11.0 x 5.0mm -- 2.0mm	0.06
CAP063	4.7 μ F -- 11.0 x 5.0mm -- 2.0mm	0.06
CAP064	10 μ F -- 11.0 x 5.0mm -- 2mm	0.06
CAP065	22 μ F -- 11.0 x 6.3mm -- 2.5mm	0.09
CAP066	47 μ F -- 11.0 x 8.0mm -- 3.5mm	0.12
CAP067	100 μ F -- 12.5 x 10.0mm -- 5.0mm	0.15
CAP068	220 μ F -- 20.0 x 10.0mm -- 5.0mm	0.33
CAP069	470 μ F -- 26.0 x 13.0mm -- 5.0mm	0.40

5.3. Miniature Polyester

General purpose small case polyester capacitors. These are ideal where space is limited.

CAP400	1n - 100v	0.08
CAP404	2n2 - 100v	0.08
CAP408	4n7 - 100v	0.08
CAP412	10n - 100v	0.08
CAP416	22n - 100v	0.08
CAP420	47n - 63v	0.08
CAP424	100n - 63v	0.08
CAP428	220n - 63v	0.14
CAP432	470n - 63v	0.20

5.4. Multi Layer

Dipped case monolythic ceramic. High capacitance, miniature size. Rated 50v DC.

CAP300	470pF	0.08
CAP304	1n	0.08
CAP308	2n2	0.08
CAP312	4n7	0.08
CAP316	10n	0.08
CAP320	22n	0.08
CAP324	47n	0.08
CAP328	100n	0.08
CAP332	220n	0.12
CAP336	470n	0.16

5.5. Tantalum Bead

CAP500	100n - 35v	0.10
CAP504	220n - 35v	0.10
CAP508	470n - 35v	0.10
CAP512	1 μ F - 35v	0.12
CAP516	2.2 μ F - 35v	0.12
CAP520	4.7 μ F - 35v	0.20
CAP524	10 μ F - 16v	0.20

5.6. Trimming

Single turn PCB mount trimming capacitors.

CAP600	2-10pF - Yellow	0.35
CAP604	2-22pF - Green	0.35
CAP608	5.5-65pF - Yellow	0.50

6. Carbon Presets

6.1. Carbon Presets

CPR100	PT10H Carbon preset Miniature open single turn horizontal mounting carbon preset rated at 0.1W.	0.10
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Resistance (Ω):	
100	

220	
470	
1K	
2K2	
4K7	
10K	
22K	
47K	
100K	
220K	
470K	
1M	

CPR105	PT10V Carbon preset Miniature open single turn vertical mounting carbon preset rated at 0.1W.	0.10
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Resistance (Ω):	
100	
220	
470	
1K	
2K2	
4K7	
10K	
22K	
47K	
100K	
220K	
470K	
1M	

CPR110	PTE10H Carbon preset Enclosed miniature single turn horizontal mounting carbon preset rated at 0.1W.	0.15
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Resistance (Ω):	
100	
220	
470	
1K	
2K2	
4K7	
10K	
22K	
47K	
100K	
220K	
470K	
1M	

CPR115	PTE10V Carbon preset Enclosed miniature single turn vertical mounting carbon preset rated at 0.1W.	0.15
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Resistance (Ω):	
100	
220	
470	
1K	
2K2	
4K7	
10K	
22K	
47K	
100K	
220K	
470K	
1M	

CPR120	PT15H Carbon preset Large size enclosed single turn horizontal mounting carbon preset rated at 0.25W.	0.25
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Resistance (Ω):	
100	
220	
470	
1K	
2K2	
4K7	
10K	
22K	
47K	
100K	
220K	

470K		
1M		
CPR125	PT15V Carbon preset Large size enclosed single turn vertical mounting carbon preset rated at 0.25W.	0.25
Resistance (Ω):		
100		
220		
470		
1K		
2K2		
4K7		
10K		
22K		
47K		
100K		
220K		
470K		
1M		

7. Circuit Board

7.1. Copper Clad Board

PCB100	6 x 4 inches single sided PCB	1.15
PCB110	8 x 6 inches single sided PCB	2.00
PCB120	6 x 4 inches double sided PCB	1.20
PCB130	8 x 6 inches double sided PCB	2.20
PCB200	250g Ferric Chloride Pellets 250g pack of hexahydrous ferric chloride pellets. Makes 500ml solution of etchant for printed circuit boards.	2.50
PCB225	Medium Tip Low Cost Etch Resist Pen	1.10
PCB227	High Quality Dalo Etch Resist Pen inc. spare tip	2.95

7.2. Photo Resist Board

PCB210	6x4" Single Sided photo PCB	2.20
PCB211	8x6" Single Sided photo PCB	4.20
PCB212	100x220mm Economy photo PCB	3.00
PCB213	6x4" Double Sided photo PCB	2.65
PCB214	8x6" Double Sided photo PCB	4.75
PCB216	Photo Board Developer 22g pack. Makes 500ml.	1.25

7.3. Stripboard

A selection of popular sizes of stripboard which have copper strips punched with 1mm holes at 0.1" pitch to make a very versatile form of prototyping circuit board.

PCB230	25x64mm 9 strips 25 holes	0.30
PCB231	64x94mm 24 strips 37holes	0.80
PCB232	95x127mm 36 strips 50 holes	1.50
PCB236	Plain Matrix Board (no copper) 127x95mm 0.1"grid	1.20
PCB250	Spot faced Cutter Spot face cutter for cutting the tracks on stripboard.	2.95

7.4. Terminal Pins

1mm diameter single sided terminal pins for 0.1" stripboard.

PCB252	100 single sided pins	0.65
PCB253	100 double sided pins	1.20

8. Connectors

8.1. Audio

CON100	2 Pin Din Plug	0.20
CON103	5 Pin Din Plug 180°	0.35
CON105	6 Pin Din Plug	0.40
CON106	7 Pin Din Plug	0.40
CON107	8 Pin Din Plug	0.50

CON110	2 Pin Din Chassis Socket	0.20
CON112	5 Pin Din Chassis Socket 180°	0.35
CON114	6 Pin Din Chassis Socket	0.35
CON115	7 Pin Din Chassis Socket	0.40
CON116	8 Pin Din Chassis Socket	0.55
CON125	Sleeved Phono Plug - Red	0.20
CON126	Sleeved Phono Plug - Black	0.20
CON130	Sleeved Phono Line Socket - Red	0.20
CON131	Sleeved Phono Line Socket - Black	0.20
CON140	Phono Chassis Socket - Red Centre	0.30
CON141	Phono Chassis Socket - Black Centre	0.30
CON146	Phono In-Line Back/Back Coupler	0.30
CON148	Twin Phono Back/Back Coupler	0.50
CON150	Phono Plug to 2 x Phono Socket Adaptor	0.50
CON152	Phono Plug to 3.5 mono Socket Adaptor	0.50
CON154	2.5mm Jack Plug Mono	0.25
CON156	2.5mm Chassis Socket Mono	0.20
CON158	3.5mm Sleeved Mono Plug	0.30
CON160	3.5mm Mono Line Socket	0.30
CON162	3.5mm Mono Open Chassis Socket	0.30
CON163	3.5mm Mono Switched Socket Chassis or R/A PCB	0.30
CON166	2.5mm Sleeved Stereo Plug	0.50
CON167	2.5mm Stereo Line Socket	0.40
CON169	3.5mm Sleeved Stereo Plug	0.35
CON170	3.5mm Stereo Line Socket	0.30
CON172	3.5mm Stereo Metal Chassis Socket	0.45
CON174	3.5mm Stereo Switched Chassis or PCB Mtg	0.30
CON175	3.5mm Mono Plug to Phono Socket Adaptor	0.50
CON177	3.5mm Mono Plug to 3.5mm Stereo Socket Adaptor	0.60
CON178	3.5mm Stereo Plug to 6.3mm Stereo Skt Adaptor	0.50
CON179	6.3mm Mono Plastic Plug	0.40
CON180	2.5mm Stereo Plug to 3.5mm Stereo Socket Adaptor	0.60
CON182	6.3mm Mono Metal Gold-tip Plug	0.95
CON184	6.3mm Mono Switched Chassis Socket	0.40
CON186	6.3mm Mono Line Socket	0.40
CON188	6.3mm Stereo Sleeved Plug	0.40
CON190	6.3mm Stereo Switched Chassis Socket	0.45
CON192	6.3mm Stereo Line Socket	0.40
CON194	6.3mm Mono Plug to 2x Phono Socket Adaptor	0.75
CON196	6.3mm Stereo Plug to 2x3.5mm Stereo Skt Adaptor	0.95
CON198	6.3mm Mono Plug to Phono Socket Adaptor Plastic	0.65
CON199	6.3mm Mono Plug to Phono Socket Adaptor Metal	0.75

8.2. BNC & R.F.

CON210	BNC Plug 50R Solder	0.85
CON212	BNC Plug 50R Crimp	0.85
CON214	BNC Plug 50R Solderless	0.85
CON216	BNC Chassis Socket - Single hole mounting	0.70
CON218	BNC Chassis Socket - Square flange mounting	0.85
CON220	50R BNC Socket to 50R BNC Socket Coupler	0.75
CON222	50R BNC Plug to 2xBNC Sockets "T"	1.00
CON224	50R BNC Terminator	0.65
CON226	BNC Plug to Phono Socket Adaptor	0.75
CON228	Phono Plug to BNC Socket Adaptor	0.75
CON235	PL259 Plug Built-in Reducer 6mm	0.75
CON237	PL259 Plug for 9mm Cable	0.75
CON239	SO239 Chassis Socket Single hole fixing	0.65
CON242	SO239 Chassis Socket Square flange mtg	0.65
CON244	SO239 Coupler	0.65
CON246	SO239 "T" piece (3 x socket)	1.40
CON248	PL259 to 2xSO239 "T" Adaptor	1.40
CON250	PL259 to BNC Socket Adaptor	1.50
CON252	BNC Plug to SO239 Adaptor	1.50
CON254	Phono Plug to SO239 Adaptor	0.95
CON256	"F" Plug Screw Fix	0.30
CON258	"F" Socket back/back Coupler	0.30

8.3. Crocodile

CON400	Crocodile clip - 33mm red	0.10
CON401	Crocodile clip - 33mm black	0.10
CON402	Crocodile clip - 33mm blue	0.10
CON403	Crocodile clip - 33mm green	0.10
CON404	Crocodile clip - 33mm yellow	0.10
CON405	Crocodile clip - 33mm white	0.10
CON410	Crocodile clip - 50mm nickel plated steel	0.15
CON412	Crocodile lead set (10 leads)	1.95

	2 leads of 5 different colours. Leads are 37cm in length.	
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8.4. D.C.

CON266	DC Power Plug 1.3mm short reach	0.35
CON268	DC Power Plug 2.1mm short reach	0.30
CON270	DC Power Plug 2.1mm long reach	0.30
CON272	DC Power Plug 2.5mm short reach	0.30
CON274	DC Power Plug 2.5mm long reach	0.30
CON276	DC Power Plug 3.0mm	0.40
CON286	DC Chassis Socket 2.1mm	0.40
CON288	DC Chassis Socket 2.5mm	0.40
CON290	DC Chassis Socket 3.0mm 2 screw fix	0.45

8.5. Multi Pole

CON310	9 way male "D" type Plug	0.30
CON312	9 way female "D" type Socket	0.30
CON314	15 way high density male Plug	0.50
CON316	15 way high density female Socket	0.65
CON318	23 way male Plug	0.65
CON320	23 way female Socket	0.65
CON322	25 way male Plug	0.45
CON324	25 way female Socket	0.45
CON326	9 way plastic cover - grey	0.30
CON328	25 way plastic cover - grey	0.30
CON340	8 pin DIL IC Socket 0.3"	0.06
CON342	14 pin DIL IC Socket 0.3"	0.10
CON344	16 pin DIL IC Socket 0.3"	0.12
CON346	18 pin DIL IC Socket 0.3"	0.12
CON347	20 Pin DIL IC Socket 0.3"	0.14
CON348	24 pin DIL IC Socket 0.6"	0.16
CON350	28 pin DIL IC Socket 0.6"	0.16
CON352	40 pin DIL IC Socket 0.6"	0.24
CON356	28 way ZIF Socket 0.6"	1.20

8.6. Terminal

CON430	2 pole chassis mounting push terminal board	0.25
CON432	4 pole chassis mounting push terminal board	0.30
CON440	3A 12 way connector strip	0.40
CON442	5A 12 way connector strip	0.40
CON444	15A 12 way connector strip	0.60
CON448	6A 12 way plugable terminal strip	2.50

9. Crystals

9.1. Crystals

XTL327	3.2768 MHz quartz crystal	0.70
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10. Drills

10.1. Drills

DRL001	Reliant Mini Drill Miniature 12v D.C drill with 3 jaw chuck and on/off switch.	16.95
DRL010	0.8mm High speed steel drill bit	0.50
DRL015	1.0mm High speed steel drill bit	0.50
DRL020	1.3mm High speed steel drill bit	0.50
DRL025	1.5mm High speed steel drill bit	0.50

11. Enclosures

11.1. Die Cast Aluminium

Robust enclosures ideal for R.F. applications where high-screening properties are required. Corrosion resistant. Lid is retained by four countersunk screws.

BOX001	52 x 38 x 31mm	2.75
BOX002	92 x38 x 31mm	2.99
BOX003	111 x 60 x 31mm	3.45
BOX004	120 x 95 x 34mm	4.99
BOX005	120 x 95 x 57mm	5.99

11.2. Multi-purpose ABS Boxes (Self tapping screws)

Moulded in high impact ABS. Can be easily drilled or punched. Available in black ex-stock or white/grey to order.

BOX020	Multi-purpose ABS Box - polished finish 75 x 56 x 25mm	0.99
BOX021	Multi-purpose ABS Box - polished finish 75 x 51 x 27mm	0.99
BOX022	Multi-purpose ABS Box - matt finish 74 x 51 x 26mm	0.99
BOX023	Multi-purpose ABS Box - polished finish 11 x 57 x 25mm	1.20
BOX024	Multi-purpose ABS Box - matt finish 113 x 59 x 24mm	1.20

11.3. ABS Boxes (Brass inserts & machine screws)

PCB slots provided on all boxes except BOX035 and BOX038. Available in black ex-stock or white/grey to order.

BOX030	Multi-purpose ABS Box - polished finish 79 x 61 x 40mm	1.80
BOX031	Multi-purpose ABS Box - polished finish 100 x 76 x 41mm	1.85
BOX032	Multi-purpose ABS Box - polished finish 118 x 98 x 45mm	2.10
BOX033	Multi-purpose ABS Box - matt finish 216 x 130 x 85mm	5.99
BOX034	Multi-purpose ABS Box - polished finish 150 x 100 x 60mm	2.99
BOX035	Multi-purpose ABS Box - matt finish 220 x 150 x 64mm	4.65
BOX036	Multi-purpose ABS Box - matt finish 177 x 120 x 83mm	3.95
BOX037	Multi-purpose ABS Box - polished finish 150 x 80 x 50mm	2.65
BOX038	Multi-purpose ABS Box - matt finish 240 x 190 x 65mm	6.25

11.4. 2 Part ABS Boxes (Self tapping screws)

The self-tapping screws can be inserted from either lid or base and can be hidden by the matching screw covers provided.

BOX050	2-part ABS box 178 x 122 x 36mm	2.95
BOX051	2-part ABS box 178 x 122 x 55mm	2.99
BOX052	2-part ABS box 178 x 122 x 74mm	3.10

12. Ferrite Rod Aerials

12.1. Ferrite Rod Aerials

FRA198	100x10mm round with flattened sides. No coils	1.20
FRA200	Ferrite ring 36mm diameter	0.85
FRA210	Ferrite ring 25mm diameter	0.45
FRA220	Ferrite ring 22mm diameter	0.45

13. Fuses

13.1. Fuses

FUS001	20mm Quick blow cartridge fuse - 100mA	0.12
FUS002	20mm Quick blow cartridge fuse - 250mA	0.12
FUS003	20mm Quick blow cartridge fuse - 315mA	0.12
FUS004	20mm Quick blow cartridge fuse - 500mA	0.12
FUS005	20mm Quick blow cartridge fuse - 630mA	0.12
FUS006	20mm Quick blow cartridge fuse - 800mA	0.12

FUS007	20mm Quick blow cartridge fuse - 1A	0.12
FUS008	20mm Quick blow cartridge fuse - 1.25A	0.12
FUS009	20mm Quick blow cartridge fuse - 1.5A	0.12
FUS010	20mm Quick blow cartridge fuse - 1.6A	0.12
FUS011	20mm Quick blow cartridge fuse - 2A	0.12
FUS012	20mm Quick blow cartridge fuse - 3.15A	0.12
FUS013	20mm Quick blow cartridge fuse - 4A	0.12
FUS014	20mm Quick blow cartridge fuse - 5A	0.12
FUS015	20mm Quick blow cartridge fuse - 6.3A	0.12
FUS016	20mm Quick blow cartridge fuse - 8A	0.12
FUS017	20mm Quick blow cartridge fuse - 10A	0.12
FUS030	1.25" Quick blow cartridge fuse - 100mA	0.15
FUS031	1.25" Quick blow cartridge fuse - 150mA	0.15
FUS032	1.25" Quick blow cartridge fuse - 250mA	0.15
FUS033	1.25" Quick blow cartridge fuse - 500mA	0.15
FUS034	1.25" Quick blow cartridge fuse - 800mA	0.15
FUS035	1.25" Quick blow cartridge fuse - 1A	0.15
FUS036	1.25" Quick blow cartridge fuse - 1.5A	0.15
FUS037	1.25" Quick blow cartridge fuse - 2A	0.15
FUS038	1.25" Quick blow cartridge fuse - 3A	0.15
FUS039	1.25" Quick blow cartridge fuse - 4A	0.15
FUS040	1.25" Quick blow cartridge fuse - 5A	0.15
FUS041	1.25" Quick blow cartridge fuse - 7.5A	0.15
FUS042	1.25" Quick blow cartridge fuse - 10A	0.15
FUS043	1.25" Quick blow cartridge fuse - 15A	0.15
FUS050	20mm Anti-surge cartridge fuse - 100mA	0.22
FUS051	20mm Anti-surge cartridge fuse - 160mA	0.22
FUS052	20mm Anti-surge cartridge fuse - 200mA	0.22
FUS053	20mm Anti-surge cartridge fuse - 250mA	0.22
FUS054	20mm Anti-surge cartridge fuse - 315mA	0.22
FUS055	20mm Anti-surge cartridge fuse - 400mA	0.22
FUS056	20mm Anti-surge cartridge fuse - 500mA	0.22
FUS057	20mm Anti-surge cartridge fuse - 630mA	0.22
FUS058	20mm Anti-surge cartridge fuse - 800mA	0.22
FUS059	20mm Anti-surge cartridge fuse - 1A	0.22
FUS060	20mm Anti-surge cartridge fuse - 1.25A	0.22
FUS061	20mm Anti-surge cartridge fuse - 1.6A	0.22
FUS062	20mm Anti-surge cartridge fuse - 2A	0.22
FUS063	20mm Anti-surge cartridge fuse - 2.5A	0.22
FUS064	20mm Anti-surge cartridge fuse - 3.15A	0.22
FUS065	20mm Anti-surge cartridge fuse - 4A	0.22
FUS066	20mm Anti-surge cartridge fuse - 5A	0.22
FUS067	20mm Anti-surge cartridge fuse - 6.3A	0.22
FUS068	20mm Anti-surge cartridge fuse - 10A	0.22
FUS080	1.25" Anti-surge cartridge fuse - 250mA	0.25
FUS081	1.25" Anti-surge cartridge fuse - 500mA	0.25
FUS082	1.25" Anti-surge cartridge fuse - 630mA	0.25
FUS083	1.25" Anti-surge cartridge fuse - 1A	0.25
FUS084	1.25" Anti-surge cartridge fuse - 1.5A	0.25
FUS085	1.25" Anti-surge cartridge fuse - 2A	0.25
FUS086	1.25" Anti-surge cartridge fuse - 2.5A	0.25
FUS087	1.25" Anti-surge cartridge fuse - 3A	0.25
FUS088	1.25" Anti-surge cartridge fuse - 5A	0.25
FUS089	1.25" Anti-surge cartridge fuse - 8A	0.25
FUS090	1.25" Anti-surge cartridge fuse - 10A	0.25
FUS091	1.25" Anti-surge cartridge fuse - 15A	0.25

13.2. Fuseholders

FSH100	20mm Panel mounting fuseholder	0.30
FSH102	32mm Panel mounting fuseholder	0.40
FSH104	20mm PCB fuseholder	0.20
FSH106	20mm Chassis mounting fuseholder	0.20
FSH108	32mm In-line Fuseholder Pre-wired	0.40

13.3. Radial Lead Thermal Fuses

A range of miniature radial lead non-resettable thermal fuses for domestic and industrial appliances. Rated 2A 250v A.C. Size of fuse body 6 x 7 x 2.5mm. Lead length 65mm x 5mm pitch. Temperature tolerance +/- 2°C

FUS100	77°C Thermal fuse	0.50
FUS101	85°C Thermal fuse	0.50
FUS102	91°C Thermal fuse	0.50
FUS103	98°C Thermal fuse	0.50
FUS104	112°C Thermal fuse	0.50
FUS105	124°C Thermal fuse	0.50
FUS106	130°C Thermal fuse	0.50
FUS107	145°C Thermal fuse	0.50
FUS108	151°C Thermal fuse	0.50

14. Heatshrink Sleeving

Heatshrink sleeving in various diameters. Reduces to half original diameter by heating to 120°C. Sold per metre.

14.1. Heatshrink Sleeving

HSS001	Heatshrink sleeving: 1.6mm Priced per metre.	0.40
HSS002	Heatshrink sleeving: 2.4mm Priced per metre.	0.40
HSS003	Heatshrink sleeving: 3.2mm Priced per metre.	0.40
HSS004	Heatshrink sleeving: 4.8mm Priced per metre.	0.40
HSS005	Heatshrink sleeving: 6.4mm Priced per metre.	0.50
HSS006	Heatshrink sleeving: 9.5mm Priced per metre.	0.60
HSS007	Heatshrink sleeving: 12.7mm Priced per metre.	0.70
HSS008	Heatshrink sleeving: 16mm Priced per metre.	0.95
HSS009	Heatshrink sleeving: 20mm Priced per metre.	1.10
HSS010	Heatshrink sleeving: 25mm Priced per metre.	1.40

15. Leads

15.1. Audio

ADL001	2 Phono to 2 phono 1.2m lead	1.20
ADL005	2 Phono to 2 phono 2.5m lead	1.50
ADL010	2 Phono to 2 phono 5.0m lead	1.95
ADL015	3 Phono to 3 phono 1.5m lead	1.95
ADL020	4 Phono to 4 phono 1.2m lead	1.95
ADL025	2 Phono to 3.5mm stereo plug 1.2m lead	1.50
ADL030	2 Phono to 3.5mm stereo plug 5.0m lead	1.95
ADL035	3.5mm Stereo plug to 3.5mm stereo plug 1.2m lead	1.50
ADL040	3.5mm Stereo plug to 3.5mm stereo socket 3.0m lead	1.95

16. Loudspeakers

16.1. Ear Pieces

SPK015	8 ohm Ear piece - 2.5mm jack plug	0.50
SPK016	8 ohm Ear piece - 3.5mm jack plug	0.50
SPK017	Crystal ear piece - 3.5mm jack plug	1.20

16.2. Microphone Inserts

SND020	Microphone insert. PCB pins Operating voltage: 1.5V - 10V. Height: 7mm. Diameter: 9.8mm.	0.65
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16.3. Miniature Speakers

SPK001	Paper cone loudspeaker - 2" 8 ohm	0.95
SPK002	Paper cone loudspeaker - 2.25" 8 ohm	0.95
SPK003	Paper cone loudspeaker - 2.5" 8 ohm	0.95
SPK004	Paper cone loudspeaker - 2.5" 64 ohm	1.10
SPK005	Paper cone loudspeaker - 3" 8 ohm	1.50
SPK010	8 ohm 0.4W 40mm square ultra slim loudspeaker Black plastic moulded case and stainless steel cone. Ideal for compact products. L:40mm W:40mm H:3mm. Fixing centres 47mm	0.95

17. Motors

For gears please enquire.

17.1. Motors

MOT001	6v Motor 19 x 31mm. Square mounting flange 25 x 25mm. Spindle D: 2.4mm, L: 20mm.	0.95
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MOT002	9v Motor 19 x 31mm. Square mounting flange 25 x 25mm. Spindle D: 2.4mm, L: 20mm.	0.95
MOT003	10.5v Motor 19 x 31mm. Square mounting flange 25 x 25mm. Spindle D: 2.4mm, L: 20mm.	0.95
MOT004	12v Motor 19 x 31mm. Square mounting flange 25 x 25mm. Spindle D: 2.4mm, L: 20mm.	0.95
MOT010	6-12v D.C. Mabuchi motor Length 25mm, diameter 20mm max (flat edge). Spindle D: 2mm, L: 8mm.	0.45

18. Neonwire

18.1. Neonwire

ELW001	Neonwire 1.22 metre unit - Light blue 1.22 metres of Neonwire complete with inverter. Can be used in either constant or strobing modes. Requires 2 x AA batteries (not included).	11.99
ELW002	Neonwire 1.22 metre unit - Dark blue 1.22 metres of Neonwire complete with inverter. Can be used in either constant or strobing modes. Requires 2 x AA batteries (not included).	11.99
ELW003	Neonwire 1.22 metre unit - Pink 1.22 metres of Neonwire complete with inverter. Can be used in either constant or strobing modes. Requires 2 x AA batteries (not included).	11.99
ELW004	Neonwire 1.22 metre unit - Orange 1.22 metres of Neonwire complete with inverter. Can be used in either constant or strobing modes. Requires 2 x AA batteries (not included).	11.99
ELW005	Neonwire 1.22 metre unit - Ultramarine 1.22 metres of Neonwire complete with inverter. Can be used in either constant or strobing modes. Requires 2 x AA batteries (not included).	11.99

19. Opto Electronics

19.1. LEDs

OPT100	Standard 3mm LED - Red	0.10
OPT102	Standard 3mm LED - Green	0.10
OPT104	Standard 3mm LED - Yellow	0.10
OPT106	Standard 3mm LED - Amber	0.12
OPT110	Standard 5mm LED - Red	0.10
OPT112	Standard 5mm LED - Green	0.10
OPT114	Standard 5mm LED - Yellow	0.10
OPT116	Standard 5mm LED - Amber	0.12
OPT120	3mm LED 9-12V Flashing - Red	0.40
OPT122	3mm LED 9-12V Flashing - Green	0.40
OPT124	3mm LED 9-12V Flashing - Yellow	0.40
OPT130	5mm LED 9-12V Flashing - Red	0.40
OPT132	5mm LED 9-12V Flashing - Green	0.40
OPT134	5mm LED 9-12V Flashing - Yellow	0.40
OPT140	5mm LED 4.5V 100mcd - Blue Package type: Transparent Wavelength: 430nm	1.00
OPT142	5mm LED 4.0V 300mcd - White	1.00
OPT150	3mm LED with panel mounting chrome bezel - Red	0.40
OPT160	5mm LED bi-colour - Red/green 2 pin	0.25
OPT162	5mm LED tri-colour - Red/green/yellow 3 pin	0.25
OPT170	3mm LED ultra bright - Red	0.15
OPT172	5mm LED super bright 1000mcd - Red	0.15
OPT174	5mm LED ultra bright 4500mcd - Red	0.30
OPT176	8mm LED ultra bright 1600mcd - Red	0.35
OPT178	10mm LED ultra bright 1600mcd - Red	0.35
OPT141	5mm LED 4.5V 450mcd - Blue Package type: Diffused blue Wavelength: 468nm	1.50
OPT143	5mm LED 4.0V 3200mcd - White	1.99

19.2. MES Lamps

MES001	MES Lamp - 1.5v 300mA	0.15
MES002	MES Lamp - 2.5v 200mA	0.15
MES003	MES Lamp - 3.5v 300mA	0.15
MES004	MES Lamp - 6.0v 60mA	0.15

MES005	MES Lamp - 6.0v 150mA	0.15
MES006	MES Lamp - 6.5v 300mA	0.15
MES007	MES Lamp - 12v 200mA	0.15
MES010	MES Lens ended bulb - 2.2v - 250mA Produces a focused beam of light. Used in torches etc.	0.20
MES015	MES Flashing Lamp - 1.5v 200mA	0.30
MES016	MES Flashing Lamp - 2.5v 200mA	0.30
MES017	MES Flashing Lamp - 6v 200mA	0.30
MES020	MES Lamp holder White MES battenholder with screw connections. 23mm fixing centres	0.35
MES025	Miniature MES Lamp holder MES lampholder with solder tag connections. Accepts all MES lamps. 10mm diameter. 11mm high.	0.15

19.3. Other

OPT180	ORP 12 Light dependant resistor (LDR)	0.85
OPT185	TIL32 Infra-red source 3mm	0.40
OPT186	TIL78 Infra-red sensor 3mm	0.40
OPT190	Seven segment display: 0.3" Red Common Anode	0.65
OPT191	Seven segment display: 0.3" Red Common Cathode	0.65
OPT192	Seven segment display: 0.3" Green Common Anode	0.65
OPT193	Seven segment display: 0.3" Green Common Cathode	0.65
OPT200	M34-1 1Hz LED flashing controller IC	0.60
OPT202	M34-2 2Hz LED flashing controller IC	0.60
OPT210	Slotted opto switch (TIL143) Consists of an infra red source and transistor.	1.20
OPT196	Seven segment display: 1" Red Common Anode	1.20
OPT197	Seven segment display: 1" Green Common Anode	1.20

20. Potentiometers

20.1. Potentiometers

POT001	V24 standard potentiometer - Linear Carbon linear tracks. 25mm diameter. Mounting hole 9.5mm.	0.65
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Resistance (Ω):	
470	
1K	
2K2	
4K7	
10K	
22K	
47K	
100K	
220K	
470K	
1M	
2M	

POT002	V24 standard potentiometer - Log Carbon logarithmic tracks. 25mm diameter. Mounting hole 9.5mm.	0.65
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Resistance (Ω):	
470	
1K	
2K2	
4K7	
10K	
22K	
47K	
100K	
220K	
470K	
1M	
2M	

POT003	V24 standard potentiometer - Linear switched Carbon linear tracks. D.p. switch. 25mm diameter. Mounting hole 9.5mm.	2.45
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Resistance (Ω):	
470	
1K	
2K2	
4K7	
10K	
22K	
47K	

100K		
220K		
470K		
1M		
2M		
POT004	V24 standard potentiometer - Log switched Carbon logarithmic tracks. D.p. switch. 25mm diameter. Mounting hole 9.5mm.	2.45
Resistance (Ω):		
470		
1K		
2K2		
4K7		
10K		
22K		
47K		
100K		
220K		
470K		
1M		
2M		
POT010	V16 Miniature carbon potentiometer - Linear Single turn carbon potentiometer. 16mm diameter. Splined 6.3 diameter spindle.	0.65
Resistance (Ω):		
5K		
10K		
50K		
100K		
1M		
POT011	V16 Miniature carbon potentiometer - Log Single turn carbon potentiometer. 16mm diameter. Splined 6.3 diameter spindle.	0.65
Resistance (Ω):		
5K		
10K		
50K		
100K		
1M		
POT015	10 Turn 100R Potentiometer Body diameter: 23mm. Mounting hole: 9.5mm. Spindle 12 x 6mm diameter.	2.65

21. Power Supplies

21.1. Power Supplies

PSU060	AC/DC Adaptor with 12V DC Cigarette Lighter Socket 12v DC/800ma. Ideal for charging mobile phone batteries and other 12v DC items.	4.95
PSU070	Regulated Power Supply With Variable Output Voltage 20V / 2A 0 - 20V 2A Regulated PSU Housed in a solid case Fixed mains lead Illuminated mains switch Output via red (+) , and black (-) 4mm terminal sockets 2 panel-meters for analogue display of voltage and current 	32.99

22. Relays

22.1. Sub-Miniature Relays

SMR050	6v DC Sub-min. relay SPDT 3A 100R coil	1.00
SMR055	12v DC Sub-min relay SPDT 3A 400R coil	1.00

23. Resistors

High stability carbon film resistors ideally suited for both industrial and consumer electronic applications. Resistance Tolerance +/- 5%. See page at end of cat. for value range.

23.1. Resistors

CFR025	Carbon film resistor - 0.25w 5%	0.02
Resistance (Ω):		
1.0		
1.2		
1.5		
1.8		
2.2		
2.7		
3.3		
3.9		
4.7		
5.6		
6.8		
8.2		
10		
12		
15		
18		
22		
27		
33		
39		
47		
56		
68		
82		
100		
120		
150		
180		
220		
270		
330		
390		
470		
560		
680		
820		
1K		
1K2		
1K5		
1K8		
2K2		
2K7		
3K3		
3K9		
4K7		
5K6		
6K8		
8K2		
10K		
12K		
15K		
18K		
22K		
27K		
33K		
39K		
47K		
56K		
68K		
82K		
100K		
120K		
150K		
180K		
220K		
270K		
330K		
390K		
470K		
560K		
680K		
820K		
1M		

1M2	
1M5	
1M8	
2M2	
2M7	
3M3	
3M9	
4M7	
5M6	
6M8	
8M2	
10M	

CFR050	Carbon film resistor - 0.50w 5%	0.02
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Resistance (Ω):	
1.0	
1.2	
1.5	
1.8	
2.2	
2.7	
3.3	
3.9	
4.7	
5.6	
6.8	
8.2	
10	
12	
15	
18	
22	
27	
33	
39	
47	
56	
68	
82	
100	
120	
150	
180	
220	
270	
330	
390	
470	
560	
680	
820	
1K	
1K2	
1K5	
1K8	
2K2	
2K7	
3K3	
3K9	
4K7	
5K6	
6K8	
8K2	
10K	
12K	
15K	
18K	
22K	
27K	
33K	
39K	
47K	
56K	
68K	
82K	
100K	
120K	

150K	
180K	
220K	
270K	
330K	
390K	
470K	
560K	
680K	
820K	
1M	
1M2	
1M5	
1M8	
2M2	
2M7	
3M3	
3M9	
4M7	
5M6	
6M8	
8M2	
10M	

24. Semiconductors

24.1. PIC Microcontrollers

PIC100	PIC16F84-04/P	2.95
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24.2. Bridge Rectifiers

BRC190	W005 - 1.5A - 50v	0.25
BRC192	W02 - 1.5A - 200v	0.25
BRC194	W04 - 1.5A - 400v	0.25
BRC196	W06 - 1.5A - 600v	0.28
BRC198	W08 - 1.5A - 800v	0.30
BRC200	BRL202 - 2A - 200v	0.40
BRC210	BRL401 - 4A - 100v	0.70
BRC212	BR6005 - 6A - 50v	0.70
BRC214	BR604 - 6A - 400v	1.10
BRC216	FB1004 - 10A - 400v	1.65
BRC218	FB2502 - 25A - 200v	1.95
BRC220	FB2504 - 25A - 400v	2.30
BRC222	FB35005 - 35A - 50v	1.95
BRC224	FB3506 - 35A - 600v	3.50

24.3. Rectifier Diodes

SRD130	1N4001 50v 1A	0.05
SRD132	1N4002 100v 1A	0.05
SRD134	1N4003 200v 1A	0.05
SRD136	1N4004 400v 1A	0.05
SRD138	1N4005 600v 1A	0.06
SRD140	1N4006 800v 1A	0.06
SRD142	1N4007 1000v 1A	0.06
SRD144	1N5400 50v 3A	0.10
SRD146	1N5401 100v 3A	0.10
SRD148	1N5402 200v 3A	0.10
SRD150	1N5404 400v 3A	0.12
SRD152	1N5406 600v 3A	0.12
SRD154	1N5408 1000v 3A	0.15
SRD160	6A 50v	0.30

24.4. Signal Diodes

General Purpose Signal Diodes

GPS100	BAT41 General purpose silicon schottky 150mA 100v	0.12
GPS102	BAT42 General purpose silicon schottky 200mA 30v	0.12
GPS108	BAT85 High speed silicon schottky 200mA 30v	0.18
GPS118	1N4148 150mA 75v	0.05
GPS120	OA47 / AA143 110mA 30v	0.25

GPS122	OA91 50mA 115v	0.30
GPS124	1N34A Germanium Diode	0.35

24.5. Thyristors

A range of thyristors for use in light and heater controls, power supplies, etc.

SCR100	2N5061 60v 0.8A	0.35
SCR102	2P4M 400v 2A	0.35
SCR104	TIC106D 400v 4A	0.40
SCR106	TIC116D 400v 8A	0.85
SCR108	TIC126D 400v 12A	1.00

24.6. Transistors

TRA100	AC128	0.80
TRA102	BC107	0.18
TRA104	BC108	0.18
TRA106	BC109	0.18
TRA108	BC109C	0.20
TRA110	BC142	0.50
TRA115	BC182L	0.12
TRA116	BC182LB	0.12
TRA118	BC183	0.12
TRA120	BC184L	0.12
TRA122	BC212	0.12
TRA124	BC212B	0.12
TRA126	BC212L	0.12
TRA128	BC213L	0.12
TRA130	BC214L	0.12
TRA132	BC214LB	0.12
TRA140	BC327	0.12
TRA142	BC328	0.12
TRA144	BC337	0.12
TRA146	BC338	0.12
TRA150	BC441	0.55
TRA152	BC461	0.55
TRA156	BC546	0.12
TRA158	BC547	0.12
TRA159	BC547B	0.12
TRA160	BC548	0.12
TRA162	BC549	0.12
TRA164	BC556	0.12
TRA166	BC557B	0.12
TRA168	BC558B	0.12
TRA170	BC559B	0.14
TRA172	BC639	0.16
TRA174	BC640	0.16
TRA176	BCY70	0.25
TRA178	BCY71	0.25
TRA180	BD131	0.58
TRA182	BD132	0.58
TRA184	BD135	0.44
TRA186	BD136	0.44
TRA188	BD139	0.44
TRA190	BD140	0.44
TRA200	BD237	0.52
TRA202	BD238	0.52
TRA204	BD241C	0.55
TRA206	BD242C	0.55
TRA220	BD441	0.45
TRA221	BD442	0.45
TRA240	BDW93C	0.85
TRA241	BDW94C	0.85
TRA246	BDX33C	0.65
TRA248	BDX34C	0.65
TRA254	BF185	0.42
TRA260	BF180	0.42
TRA270	BF195	0.18
TRA271	BF197	0.18
TRA272	BF199	0.20
TRA274	BF200	0.35
TRA276	BF244A	0.40
TRA278	BF245B	0.40
TRA282	BF259	0.44
TRA290	BF324	0.33
TRA310	BF459	0.42
TRA312	BF479	0.70
TRA314	BF494	0.22

TRA316	BF495C	0.30
TRA400	BF960	0.70
TRA402	BF961	0.60
TRA500	BFX85	0.38
TRA502	BFX88	0.47
TRA510	BFY50	0.30
TRA512	BFY51	0.30
TRA514	BFY52	0.30
TRA516	BFY90	0.80
TRA600	MPSA13	0.18
TRA602	MPSA42	0.18
TRA604	MPSA92	0.18
TRA610	TIP31C	0.55
TRA612	TIP32C	0.65
TRA614	TIP41C	0.55
TRA616	TIP42C	0.65
TRA620	TIP120	0.60
TRA626	TIP125	0.60
TRA628	TIP126	0.60
TRA630	TIPP32A	0.65
TRA632	TIP3055	0.95
TRA640	ZTX300	0.30
TRA646	ZTX450	0.28
TRA650	ZTX500	0.22
TRA656	ZTX550	0.30
TRA660	ZTX651	0.44
TRA670	ZTX653	0.55
TRA676	ZTX751	0.48
TRA680	ZTX753	0.65
TRA690	2N918	0.80
TRA700	2N2222A	0.25
TRA710	2N2369A	0.35
TRA720	2N2907A	0.35
TRA730	2N3053	0.35
TRA740	2N3055	0.70
TRA744	2N3391	0.30
TRA746	2N3819	0.45
TRA750	2N3702	0.14
TRA752	2N3703	0.14
TRA754	2N3704	0.14
TRA756	2N3705	0.14
TRA758	2N3706	0.14
TRA759	2N3866	2.50
TRA760	2N3904	0.14
TRA762	2N3906	0.14
TRA766	2N4093	0.45
TRA770	2N4401	0.20
TRA772	2N4403	0.20
TRA780	2N6027	0.55
TRA800	2N7000	0.40
TRA802	2SA733	0.20
TRA810	2SA1006	1.30
TRA860	2SC945	0.20
TRA880	2SC1815Y	0.20
TRA890	2SC1959Y	0.20
TRA900	2SD1266A	0.90

24.7. Triacs

A range of triacs as used in AC circuits such as dimmers, etc.

TIC100	TIC206C 200v 4a	0.40
TIC102	TIC206D 400v 4a	0.68
TIC104	TIC226D 400v 8a	0.90
TIC106	TIC236D 400v 12a	1.30
TIC108	BT139-600 600v 16a	1.50
TIC110	BTA 12-600 600v 12a	1.30
TIC112	BR100 Bi-directional trigger diode	0.22

24.8. Voltage Regulators - Fixed

REG050	78L05 +5v 100mA	0.30
REG052	78L12 +12v 100mA	0.30
REG054	78L15 +15v 100mA	0.30
REG056	79L05 -5v 100mA	0.35
REG058	79L12 -12v 100mA	0.35
REG060	79L15 -15v 100mA	0.35
REG100	7805 +5v 1A	0.35
REG102	7805S +5v 1A insulated tab	0.30

REG104	7806 +6v 1A	0.40
REG106	7808 +8v 1A	0.50
REG108	7809 +9v 1A	0.55
REG110	7812 +12v 1A	0.30
REG112	7815 +15v 1A	0.40
REG114	7818 +18v 1A	0.55
REG116	7824 +24v 1A	0.50
REG118	7905 -5v 1A	0.45
REG120	7906 -6v 1A	0.45
REG122	7912 -12v 1A	0.45
REG124	7915 -15v 1A	0.45
REG126	7918 -18v 1A	0.55
REG128	7924 -24v 1A	0.48

24.9. Voltage Regulators - Variable

REG140	LM317LZ 100mA +1.2-37v	0.38
REG142	LM317MP 500mA	0.60
REG144	LM317T 1.5A +1.2-37v	0.50
REG146	LM338T 5A +1.2-37v	1.75
REG148	LM337T 1.5A -1.2-37v	0.85
REG150	TL431CLP Precision shunt regulator	0.30
REG152	RC4194D Dual rail +/- 50mv to +/- 35v 14 pin	4.95
REG154	LM723 +2-37v	0.45

24.10. Zener Diodes

BZX100	1.3W Zener Diode	0.12
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Rating:	
4.7V	
5.1V	
5.6V	
6.2V	
6.8V	
7.5V	
8.2V	
9.1V	
10V	
11V	
12V	
13V	
15V	
16V	
18V	
20V	
22V	
24V	
27V	
30V	
33V	
36V	
39V	
43V	
47V	
51V	

BZY100	400mW Zener Diode	0.08
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Rating:	
2.4V	
3.0V	
3.3V	
3.6V	
3.9V	
4.3V	
4.7V	
5.1V	
5.6V	
6.2V	
6.8V	
7.5V	
8.2V	
9.1V	
10V	
11V	
12V	
13V	

15V	
16V	
18V	
20V	
22V	
24V	
27V	
30V	
33V	
36V	

24.11. 4000 Series

MOS001	4000B	0.35
MOS005	4001B	0.30
MOS010	4002B	0.35
MOS015	4007B	0.30
MOS020	40106B	0.55
MOS025	4011B	0.30
MOS030	4012B	0.40
MOS035	4013B	0.25
MOS040	4016B	0.35
MOS045	4017B	0.45
MOS050	4020B	0.55
MOS055	4021B	0.55
MOS060	4022B	0.55
MOS065	4025B	0.40
MOS070	4026B	0.90
MOS075	4027B	0.45
MOS080	4028B	0.50
MOS085	4030B	0.35
MOS090	4040B	0.55
MOS095	4042B	0.65
MOS100	4043B	0.45
MOS105	4047B	0.55
MOS110	4049UB	0.35
MOS115	4066B	0.35
MOS120	4069UB	0.30
MOS125	4070B	0.35
MOS130	4071B	0.35
MOS135	4072B	0.40
MOS140	4073B	0.40
MOS145	4075B	0.45
MOS150	4081B	0.35
MOS155	4093B	0.40
MOS160	4099B	0.60
MOS165	4510B	0.70
MOS170	4511B	0.55
MOS175	4512B	0.55
MOS180	4518B	0.65
MOS185	4520B	0.65
MOS190	4528B	0.70

24.12. 7400 Series

TTL100	7400	0.35
TTL102	7402	0.35
TTL104	7403	0.38
TTL106	7404	0.38
TTL108	7406	0.58
TTL110	7407	0.60
TTL112	7408	0.42
TTL114	7410	0.38
TTL120	7430	0.42
TTL126	7438	0.60
TTL128	7440	0.40
TTL140	7473	0.50
TTL142	7474	0.50
TTL150	7486	0.55
TTL160	74121	0.55

24.13. 74LS Series

LSS001	74LS00	0.28
LSS005	74LS01	0.28
LSS010	74LS02	0.30

LSS015	74LS03	0.34
LSS020	74LS04	0.28
LSS025	74LS05	0.30
LSS030	74LS08	0.30
LSS035	74LS09	0.30
LSS040	74LS10	0.28
LSS045	74LS107	0.50
LSS050	74LS11	0.28
LSS055	74LS12	0.30
LSS060	74LS122	0.50
LSS065	74LS123	0.45
LSS070	74LS125	0.40
LSS075	74LS126	0.35
LSS080	74LS13	0.38
LSS085	74LS132	0.40
LSS090	74LS136	0.45
LSS095	74LS138	0.40
LSS100	74LS14	0.36
LSS105	74LS15	0.28
LSS110	74LS151	0.40
LSS115	74LS153	0.40
LSS120	74LS157	0.40
LSS125	74LS158	0.45
LSS130	74LS160	0.55
LSS135	74LS161	0.55
LSS140	74LS163	0.55
LSS145	74LS164	0.48
LSS150	74LS174	0.45
LSS155	74LS175	0.45
LSS160	74LS193	0.50
LSS165	74LS20	0.30
LSS170	74LS21	0.30
LSS175	74LS244	0.50
LSS180	74LS245	0.50
LSS185	74LS26	0.28
LSS190	74LS27	0.32
LSS195	74LS30	0.30
LSS200	74LS32	0.30
LSS205	74LS373	0.60
LSS210	74LS374	0.60
LSS215	74LS38	0.32
LSS220	74LS393	0.60
LSS225	74LS47	0.70
LSS230	74LS51	0.40
LSS235	74LS73	0.48
LSS240	74LS74	0.35
LSS245	74LS75	0.40
LSS250	74LS76	0.50
LSS255	74LS83	0.50
LSS260	74LS85	0.55
LSS265	74LS86	0.30
LSS270	74LS90	0.48
LSS275	74LS93	0.50

24.14. CA Series

CAS100	CA3140E	0.60
CAS110	CA3080E	1.95
CAS120	CA3130E	1.40

24.15. LF Series

LFS100	LF351	0.55
LFS110	LF353	0.65
LFS120	LF356	0.85

24.16. NE Series

NES100	NE555	0.25
NES102	NE556	0.35
NES106	NE567	0.60
NES110	NE5532	0.60
NES112	NE5534	0.60

24.17. LM Series

LMS100	LM301	0.45
LMS102	LM311	0.35
LMS104	LM318	1.70
LMS106	LM319	1.65
LMS108	LM324	0.35
LMS110	LM339	0.30
LMS112	LM348	0.48
LMS114	LM358	0.35
LMS120	LM380	1.00
LMS124	LM386	0.60
LMS130	LM393	0.35
LMS134	LM710	0.80
LMS138	LM741	0.30
LMS140	LM747	0.80
LMS144	LM748	0.45
LMS148	LM1458	0.32
LMS150	LM2904N	0.45
LMS152	LM2917	3.45
LMS154	LM13600	1.35
LMS158	LM3900	0.90
LMS160	LM3914	2.65
LMS162	LM3915	3.20

24.18. TBA Series

TBA800	TBA800	0.90
TBA820	TBA820M	0.60

24.19. TDA Series

TDA100	TDA2002	1.65
TDA102	TDA2003	1.65
TDA104	TDA2004	3.30
TDA110	TDA2030	1.65
TDA112	TDA2050	3.45
TDA120	TDA2611A	2.20
TDA130	TDA7000	3.50

24.20. TL Series

TLO100	TL061	0.45
TLO110	TL062	0.70
TLO120	TL071	0.50
TLO130	TL072	0.50
TLO140	TL074	0.60
TLO150	TL081	0.48
TLO160	TL082	0.55
TLO170	TL084	0.55

24.21. Timer IC's

ICS100	NE555	0.25
ICS102	ICM7555	0.45
ICS104	NE556	0.35
ICS106	ICM7556	1.00

25. Service Aids

25.1. Service Aids

SAD100	Heat transfer compound. 35mm syringe	2.20
SAD102	IC Extraction tool	0.80
SAD106	Helping Hands Useful for holding components while soldering.	3.50
SAD108	10 piece Needle file set in plastic wallet	2.50
SAD150	Solderless prototype board - 400 tie points Prototype board for fast and economical circuit prototyping. Two sets of 30 rows of 5 interconnected contact sockets, along with 4 rows of 25 interconnected sockets for use as power supply rails.	3.25
SAD152	Solderless prototype board - 840 tie points Two sets of 64 rows of 5 interconnected contact sockets, along with 4 rows of 50 interconnected sockets for use as power supply rails.	5.99

26. Solar Cells

26.1. Solar Cells

SLP200	0.45v 400mA Solar cell (encapsulated) 45 x 75mm. Screw terminals.	1.95
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27. Soldering Equipment

27.1. Soldering Equipment

SOL100	Antex 18W Iron including 13A plug	16.99
SOL102	Antex 25W Iron including 13A plug	16.99
SOL110	Antex ST4 Stand including cleaning sponge	4.99
SOL120	Antex 18W spare tip - 1mm	2.65
SOL122	Antex 18W spare tip - 2.3mm	2.65
SOL124	Antex 18W spare tip - 3.0mm	2.65
SOL126	Antex 18W spare tip - 4.7mm	2.65
SOL130	Antex 25W spare tip - 1mm	2.65
SOL132	Antex 25W spare tip - 2.3mm	2.65
SOL134	Antex 25W spare tip - 3.0mm	2.65
SOL136	Antex 25W spare tip - 4.7mm	2.65
SOL140	100g Reel 22swg Solder	1.95
SOL150	High Quality Desoldering Tool - Teflon Tip	4.95
SOL152	Replacement Teflon Tip	0.95

28. Sounders

28.1. Buzzers

Miniature electronic buzzers.

SND001	Miniature transistor electronic buzzer 3v	0.80
SND002	Miniature transistor electronic buzzer 6v	0.80
SND003	Miniature transistor electronic buzzer 9v	0.80
SND004	Miniature transistor electronic buzzer 12v	0.80
SND005	PCB mounted buzzer 12v Miniature electronic PCB buzzer. Operating voltage 7-15v. D:12 x H:9.5mm. Pitch:6.5mm	1.00

28.2. Piezo Sounders

Piezo sounders with built in oscillators.

SND010	Piezo sounder 12v 10mA 90dB D:32 x H:14mm	0.95
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28.3. Piezo Buzzer Discs

Piezo elements.

SND015	25mm Piezo disc with wires	0.50
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29. Switches

29.1. Push Button Switches

PTM100	Miniature SP. momentary push Switch - red button	0.25
PTM110	Miniature SP. momentary push to break - black button	0.45
PTM120	Momentary push to make 12mm fixing 3A 250v AC - Red	0.60
PTM122	Momentary push to make 12mm fixing 3A 250V AC - Black	0.60
PTM130	Latching push to make 12mm fixing 3A 250V AC - Red	0.65
PTM132	Latching push to make 12mm fixing 3A 250V AC - Black	0.65

29.2. Rotary Switches

A range of high quality rotary switches. An adjustable stop allows for easy switch configuration. Maximum working voltage 250V AC (150mA). Solder tag connections.

RSW100	Rotary Switch - 1 Pole 12 way	1.20
RSW110	Rotary Switch - 2 Pole 6 way	1.20
RSW120	Rotary Switch - 3 Pole 4 way	1.20
RSW130	Rotary Switch - 4 Pole 3 way	1.20

29.3. Rocker Switches

A range of miniature and standard rocker switches in single and double pole.

RKS100	Miniature SPST Rocker Black 6A	0.55
RKS110	Miniature DPST Rocker Black 6A	0.70
RKS120	Miniature DPST Rocker with Red Neon 6A	0.95
RKS130	Miniature SPST Rocker with Green Neon 6A	0.95
RKS140	Standard 16A SPST Rocker	0.65

29.4. Mercury Tilt Switches

MSW100	Mercury Tilt Switch Housed in a Nickel Plated Steel case	1.50
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29.5. Key Switches

KEY100	SPST Sub-Miniature Tubular Key	1.95
KEY110	SPST Sub-Miniature Standard Key	2.95

29.6. Slide Switches

SSW100	Miniature DPDT 19mm fixing centres	0.20
SSW110	Standard DPDT 28mm fixing centres	0.30
SSW112	Standard DPDT centre off 28mm fixing centres	0.30

29.7. Miniature Toggle Switches

MTS100	Sub-Miniature SP Rated 3A 125v AC	0.60
MTS102	Sub-Miniature DPDT Rated 3A 125v AC	0.75
MTS110	Miniature SPDT Rated 6A 125v AC, 3A 250v AC	0.75
MTS112	Miniature SPDT Centre Off	0.70
MTS114	Miniature SPDT On-Off-(On) ((On) = Biased)	0.70
MTS116	Miniature SPDT On-Off-(On) Long Lever	0.75
MTS118	Miniature SPDT On(On)	0.75
MTS120	Miniature DPDT Rated 6A 125v AC, 3A 250v AC	0.80
MTS126	Miniature 3P/CO rated 6A 250v AC	1.50
MTS130	Miniature 4P/CO Centre Off	2.50

29.8. Standard Toggle Switches

A range of standard toggle switches in single and double pole.

STS100	SPST with on-off plate rated 1.5A 250v AC	0.75
STS102	DPDT with on-off plate rated 1.5A 250v AC	0.85
STS104	SPDT Plastic Toggle rated 3A	0.70
STS106	SPST rated 10A 150V AC	1.95
STS108	DPDT rated 10A 250v AC	2.55

30. Telephone Accessories

30.1. Telephone Accessories

TEL001	BT style master socket - screw terminal	3.25
TEL002	BT style extension socket - screw terminal	2.00
TEL010	Telephone extension lead 3m	1.95
TEL011	Telephone extension lead 5m	2.50
TEL012	Telephone extension lead 10m	2.95
TEL013	Telephone extension lead 15m	3.65
TEL014	Telephone extension lead 20m	3.95
TEL020	BT style 2-way adaptor Allows connection of two pieces of equipment into one UK telephone socket.	1.85
TEL021	BT style 3-way adaptor Allows connection of three pieces of equipment into one UK telephone socket.	2.85
TEL022	BT plug - RJ11 socket	1.85

	Adaptor for converting from a standard UK telephone socket to a modular RJ11 socket.	
TEL023	RJ11 plug - BT socket Adaptor for converting from a modular RJ11 socket to a standard UK telephone socket.	1.85
TEL030	IDC insertion tool All plastic IDC tool for use on standard BT IDC sockets.	0.30
TEL040	Telephone Ringer / Flasher Gives a visible as well as audible indication of an incoming call. This unit connects to a standard telephone socket. Excellent quality.	8.99

31. Test Equipment

31.1. Test Equipment

DMT132	Digital Multimeter - black Built-in transistor test socket and diode test position. DC Volts: 200mV to 1000V, AC Volts: 200V to 750V, DC Current: 200µA to 10A, Res: 200Rto 2000K.	6.99
DMT155	3A moving coil panel meter Size: 51mm x 45mm	4.95
DMT160	100uA Moving Coil Panel Meter Size: 59mm x 53mm	5.50
DMT165	30v moving coil panel meter	4.95

32. Thermistors

NTC disc thermistors for general purpose applications such as temperature measurement. The thermistors are clearly coded and have a wide working temperature range of -30 to +125°C.

32.1. Thermistors

THM001	NTC Disc Thermistor - 300R / 24R Resistance at 25°C: 300R, 100°C: 24R.	0.30
THM002	NTC Disc Thermistor - 1K / 90R Resistance at 25°C: 1K, 100°C: 90R	0.30
THM003	NTC Disc Thermistor - 5K / 300R Resistance at 25°C: 5K, 100°C: 300R	0.30
THM004	NTC Disc Thermistor - 20K / 1K Resistance at 25°C: 20K, 100°C: 1K	0.30
THM005	NTC Disc Thermistor - 100K / 5K Resistance at 25°C: 100K, 100°C: 5K	0.30

33. Special Offers

33.1. Special Offers

SOP001	100 1N4148 signal diodes	1.00
SOP002	75 1N4001 rectifier diodes	1.00
SOP003	50 1N4002 rectifier diodes	1.00
SOP004	50 1N4007 rectifier diodes	1.00
SOP005	30 1N5401 rectifier diodes	1.00
SOP006	5 W02 1.5A bridge rectifiers	1.00
SOP008	5 7805S (insulated tab) voltage regulators	1.00
SOP009	5 7812 voltage regulators	1.00
SOP010	20 BC182L NPN transistors	1.00
SOP011	20 BC212L PNP transistors	1.00
SOP012	20 BC327 PNP transistors	1.00
SOP013	20 BC337 NPN transistors	1.00
SOP014	20 BC547B NPN transistors	1.00
SOP015	20 BC557B PNP transistors	1.00
SOP016	20 BC548B NPN transistors	1.00
SOP017	20 BC558B PNP transistors	1.00
SOP018	10 BC639 NPN transistors	1.00
SOP019	10 BC640 PNP transistors	1.00
SOP020	20 Assorted transistors	1.00
SOP021	4 LM741 op. amp	1.00
SOP022	4 LM1458 dual op. amp	1.00
SOP023	4 LM324 quad op. amp	1.00
SOP024	2 TBA820M audio amp	1.00
SOP025	10 4013B dual flip-flop	1.00
SOP026	10 4049 hex buffer	1.00
SOP027	8 555 timer IC's	1.00
SOP028	15 3mm LED's Choose from red, green, or yellow.	1.00

Color:	
Red	

Green		
Yellow		
SOP029	15 5mm LED's Choose from red, green, or yellow.	1.00
Color:		
Red		
Green		
Yellow		
SOP030	12 5mm amber LED's	1.00
SOP031	12 3mm amber LED's	1.00
SOP032	1 5mm white LED 300mcd 4.0v	1.00
SOP033	1 5mm blue LED 100mcd 4.5v	1.00
SOP035	25 4µ7 25v radial capacitors	1.00
SOP036	25 10µF 25v radial capacitors	1.00
SOP037	25 22µF 25v radial capacitors	1.00
SOP038	20 47µF 16v radial capacitors	1.00
SOP039	20 100µF 16v radial capacitors	1.00
SOP040	15 220µF 16v radial capacitors	1.00
SOP041	10 PP3 battery snaps (high quality)	1.00
SOP042	20 8 pin DIL sockets	1.00
SOP043	15 14 pin DIL sockets	1.00
SOP044	15 16 pin DIL sockets	1.00
SOP045	1 28 pin ZIF socket	1.20
SOP046	4 Stripboard - 9 tracks x 25 holes	1.00
SOP048	100 100mm cable ties	1.00
SOP049	10 Insulated crocodile clips (5 different colours)	1.00
SOP051	2 LM386 audio amp	1.00
SOP052	1 Ferrite Rod 100 x 10mm	1.00
SOP055	5 3.5mm mono plugs including panel socket	1.00
SOP056	1 LT700 Transformer	1.00
SOP057	1 Nurse Call (transmitter / receiver pair) Radio pager consisting of a small cased transmitter (lanyard aerial) and an open board receiver (telescopic aerial). Operates from four LR44 button cells (supplied) and either 12v or 24v D.C. Range approx 100m. Coding instructions supplied.	6.99
SOP060	5 AA 143/OA47 Germ Diode	1.00
SOP062	1 500pF Postage Stamp Trimmer	1.00
SOP065	50 47nF 50v Axial mini capacitors	1.00
SOP066	0.25W 5% Resistor kit - 5 off each value 10R to 1M	2.99
SOP067	0.25W 5% Resistor kit - 10 off each value 10R to 1M	4.99
SOP069	5 MES Batten holders	1.50
SOP070	MK484 Radio IC including data	1.00
SOP071	M34-1 1Hz IC - includes 3 h.b. LED's	1.00
SOP072	M34-2 2Hz IC - includes 3 h.b. LED's	1.00
SOP073	5 OA91 Diodes	1.25
SOP074	12 1N5408 rectifier diodes	1.00

