



ELECTRONICS

21

Explore our diverse range of Electronics, offering innovative solutions for various applications. Whether you're looking for high-performance components, advanced circuitry, or reliable power supplies, our electronics section has you covered. Our products are engineered to deliver exceptional performance and reliability, meeting the demands of today's technology-driven world.

APPLIANCE PLUGS & SOCKETS

Power Inlet / Outlet

Rating: 10A @250VAC					
Code	JR-201-1	JR-201S	RP-22E-*	XX-28/5	Y004/ST1
Type	Male Socket 2.5A@250VAC	Male Socket 2.5A@250VAC	2.5A@250VAC, 1.5m Cable * Add Colour to Code: BK (Black), WH (White)	Male Socket 2.5A@250VAC (5 per pack)	2.5A@250VAC 1.5m Cable

Power Inlet / Outlet Plug & Sockets

Rating: 10A @ 250VAC						
Code	JR-101-1F	JR-101	JR-121	JR-3012	JA-2232	JA-2233
	Socket C/W 5 x 20 Fuse Holder	Male Socket Inlet	Female Socket Outlet	M/F Socket Inlet + Outlet	Plug - Female	Plug - Male

American / Euro Plugs & Sockets

					
Code	RP-25	JR-141	JR-161	JR-1157	JR-1157R1
Type	10A 2 Pin Male Euro Plug	Socket	Socket	Adaptor Round to Flat 230V / 110V	Adaptor Flat to Round 230V / 110V

Appliance Plugs & Sockets

			
Code	N01A/ST2	YHB-3/ST3	YHB-3/ST1
Type	2.5A@250VAC 1.5m Cable	10A@250VAC 1.5m Cable	2.5A@250VAC 1.5m Cable
			
Code	RP-24E	AS-2208	SS-001*
Type	10A Plug & Socket with 2m cable	220V 3A/115V 6A Switch	2 in 1 Rocker Switch with Circuit Breaker *Add to Code: 5A, 10A, 15A

P.C.B. TERMINALS

						
Description	Plug Female	Ver. Male	Hor. Male	Strips	Plug	Terminal
Wire Size (mm)	2.5	2.5	2.5	–	1.5	2.5
Voltage V	450	450	450	250	250	500
AMPS A	16	16	16	10	10	16
Pin spacing (mm)	5.08	5.08	5.08	5.00	5.00	10
2 Pole	SH-02	PV-02	PH-02	–	SHS-2	TE-2T
3 Pole	SH-03	PV-03	PH-03	–	SHS-3	TE-3T
4 Pole	SH-04	PV-04	PH-04	–	–	TE-4T
5 Pole	SH-05	PV-05	PH-05	–	–	
6 Pole	SH-06	PV-06	PH-06	–	–	
7 Pole	SH-07	PV-07	PH-07	–	–	
8 Pole	SH-08	PV-08	PH-08	–	–	
10 Pole	SH-10	PV-10	PH-10	PVS-10	–	
12 Pole	SH-12	PV-12	PH-12	–	–	
14 Pole	SH-14	PV-14	PH-14	–	–	

														
PA-02	PA-03	MVE												

Description	Vertical							
Wire Size (mm)	1.5	2.5	2.5	2.5	4.0	4.0	10.0	
Voltage V	450	450	450	750	450	750	750	
AMPS A	17.5	16	16	16	25	25	57	
Pin spacing (mm)	5.00	5.00	5.08	7.5	6.35	9.52	10.16	
2 Pole	PA-02	MVE-152	MVE-252	MV-252	MV-272	MV-462	MV-492	MV-102
3 Pole	PA-03	MVE-153	MVE-253	MV-253	MV-273	MV-463	MV-493	MV-103

						
--	---	---	---	---	---	---

Description	Horizontal		35° Angle	Vertical		
				Double Deck		Triple Deck
Wire Size (mm)	2.5	2.5	2.5	2.5	2.5	2.5
Voltage V	450	500	450	450	450	450
AMPS A	16	16	16	16	16	16
Pin spacing (mm)	5.08	7.5	5.08	5.08	5.08	5.08
2 Pole	MH-252	MH-272	MI-252	MVD-252	MVDK-252	MVT-252
3 Pole	MH-253	MH-273	MI-253	MVD-253	MVDK-253	MVT-253

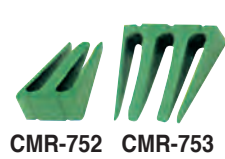
					
Wire Size (mm)	1.0	2 x 2.5mm ²			
Voltage V	250	500			
AMPS A	10	25			
Pin spacing (mm)	5.00	10.00			
2 Pole	MVEM-502	MT-2102			
3 Pole	MVEM-503	MT-2103			

DIN Rail Mount Housing - 17.5mm(W)

Code	Description
CEM17	- Width 17.5mm - Terminals not included - order separately 4 x 3 way P.C.B mount terminal Blocks fitting 2.5mm² wire size - Dimensions (mm): 98 (L) x 17.5 (W) x 56.4 (H)

Terminals	
ML253-L	3 Way (2.5mm ²) with pins to the left
ML253-R	3 Way (2.5mm ²) with pins to the right

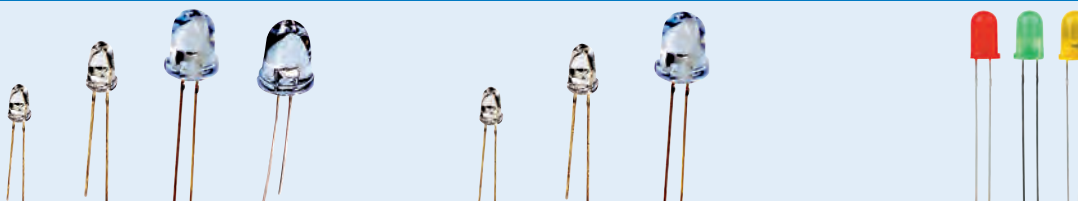
CHASSIS MOUNT TERMINALS



Code	MAT-275 (1P)	CMR-752 (2P) CMR-753 (3P)	MPT410-D-GY	MPT1010-D-GY	MPT1612-GY	MPT2515-GY
Wire Size (mm ²)	2.5	—	4.0	10.0	16.0	25.0
Volts	450V	—	450V	750V	450V	750V
Amps	25A	—	32A	57A	76A	101A
Spacing (mm)	7.5	—	10	10	12.1	15.1

ELECTRONIC COMPONENTS

(I) current = 20mA



Colour	Ultra Bright Code	mcd	Typical V	Super Bright Code	mcd	Typical V	Diffused Code	mcd	Typical V
3mm LED's									
Red	HB3B-445AOR	2800	2.00	L3-224HRC-3	120	2.40	L3-224HD	1.6	2.80
Green	HB3B-433AGCA	5500	3.50	L3-224VGC	100	2.80	L3-224GD	6	2.80
Yellow	HB3B-444FY	6500	2.00	L3-224VYC	100	2.80	L3-224YD	6	2.80
Amber	HB3B-447FA	2500	2.00	—	—	—	—	—	—
Blue	HB3B-448ABCA	2600	3.50	—	—	—	L3-224UBD-4	—	2.80
White	HB3B-449AWD	2400	3.60	—	—	—	—	—	—

5mm LED's

Red	HB5-435AOR	4500	2.00	L5-333HRC-3	300	2.40	L5-333HD	300	2.80
Hi-Br-Red	AL-513TRC	10000	2.00	—	—	—	—	—	—
Green	HB5-433AGCA	10000	3.50	L5-333VGC	120	2.80	L5-333GD	120	2.80
Yellow	HB5-434FY	4000	2.00	L5-333VYC	120	2.80	L5-333YD	120	2.80
Amber	HB5-437FA	4000	2.00	—	—	—	—	—	—
Blue	HB5-438ABCA	3500	3.50	L5-333UBC-1	—	2.80	L5-333UBD-4	—	2.80
White	HB5-439AWD	11000	3.60	L5-333UWC-2	—	2.80	L5-333UWW-4	—	2.80

8mm LED's

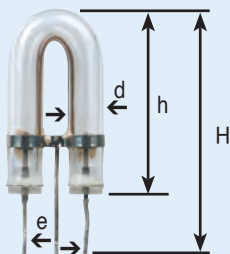
● Red	HB8A-436ARA	4000	1.86		● Red	L2X5-523HD	0.8	2.80
● Green	HB8A-433AGCA	9000	3.50		● Green	L2X5-523GD	2.2	2.80
● Yellow	HB8A-434FY	3600	2.00		● Yellow	L2X5-523YD	2.2	2.80
● Amber	HB8A-435FO	10000	2.00		Flashing 5mm LED's			
● Blue	HB8A-438CB	2000	3.50		● Red	L5-FR	1.6	2.80
○ White	AL-813W2C	5000	2.40		● Green	L5-FG	6	2.80

10mm LED's

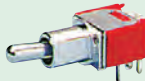
Red	HB10B-436ARA	10000	1.86	—	—	—	—	—	—
Green	HB10B-433AGCA	9000	3.50	—	—	—	—	—	—
Yellow	HB10B-434FY	9000	2.00	—	—	—	—	—	—
Amber	HB10B-435FO	10000	2.00	—	—	—	—	—	—
Blue	HB10B-438CB	2000	3.50	—	—	—	—	—	—
White	AL-103W2C	5000	2.40	—	—	—	—	—	—

Xenon Flash Tubes

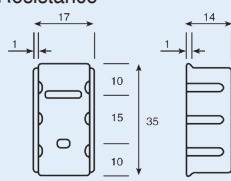
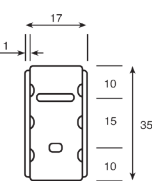
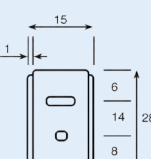
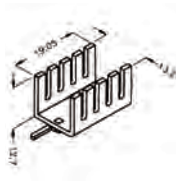
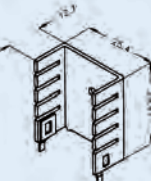
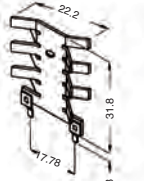
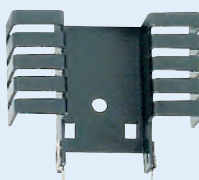
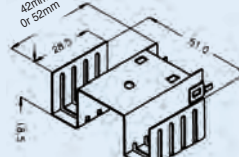
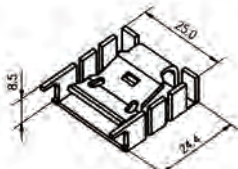
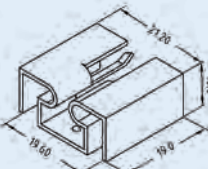
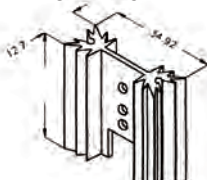
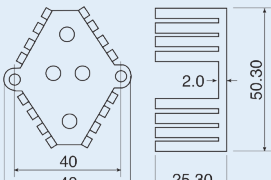
Code	Cathode Voltage (V)	Anode Voltage (V)	Rated Power (W)	Flash Interval Times (S)	Trigger Voltage	Flash Times	Dimensions (mm)
	Rated	Max	Min				H h e d
XTU2010	300	400	200	2	0.3	≥ 6	≥ 1x10 ⁶
XTU3210	300	400	200	2	0.3	≥ 6	≥ 1x10 ⁶
XTU4417	300	400	200	4	0.3	≥ 6	≥ 1x10 ⁶
XTU4427	400	500	200	6	0.3	≥ 6	≥ 1x10 ⁶



MINIATURE SWITCHES

	Solder Tag/Panel Mount			PCB Mount					
	SPDT 2A @ 250VAC			SPDT 2A @ 250VAC					
	Code	Switching Position			Code	Switching Position			
	8013-M1	ON	–	ON	8013-M2	ON	–	ON	
	8014-M1	ON	OFF	ON	8014-M2	ON	OFF	ON	
	8013A-M1	ON	–	[ON]	8013A-M2	ON	–	[ON]	
	DPDT 2A @ 250VAC			DPDT 2A @ 250VAC					
	Code	Switching Position			Code	Switching Position			
	8011-M1	ON	–	ON	8011-M2	ON	–	ON	
	8012-M1	ON	OFF	ON	8012-M2	ON	OFF	ON	
	8011A-M1	ON	–	[ON]	8011A-M2	ON	–	[ON]	
	3PDT 2A @ 250VAC			SPDT 1.5A @ 250VAC					
Code	Switching Position			Code	Switching Position				
T8301-M1	ON	–	ON	TS-6-M2	ON	–			ON
4PDT 2A @ 250VAC			TS-6A-M2			ON			OFF
	T8401-M1	ON	–	ON	TS-6B-M2	ON	–	[ON]	
	4PDT 2A @ 250VAC			TS-6B-M2			ON	–	[ON]
	Code	Switching Position			Code	Switching Position			
	TS-13C-M1	ON	–	ON	TS-13C-M2	ON	–	ON	
	TS-14C-M1	ON	OFF	ON	TS-14C-M2	ON	OFF	ON	

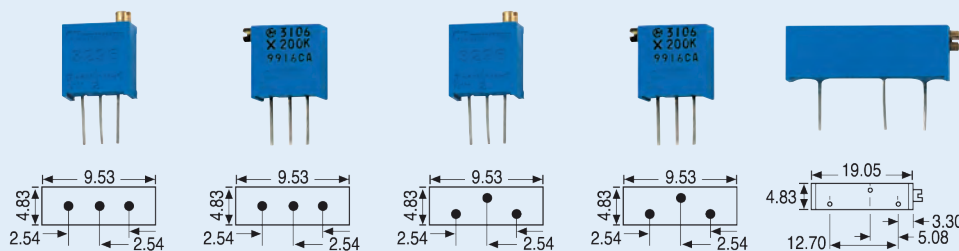
HEATSINKS – BLACK ANODISED ALUMINIUM

							
Code	35S1	35S2	28S1	BK-T220-37-03	BK-T220-42-02	BK-T220-66-01	BK-T330-1
Thermal Resistance	20kW	20kW	25kW	30kW	20kW	18kW	20kW
							
							
BK-T220-52-02	BK-T220-60-3	BK-ALU-19-1	BK-T220-01-45 BK-T220-01-51	HS-007			
Thermal Resistance	14kW	18kW	20kW	45m – 10kW 51m – 9kW	6kW		
							

POTENTIOMETERS

Multi Turn – 25 Turns – P.C.B. Mount

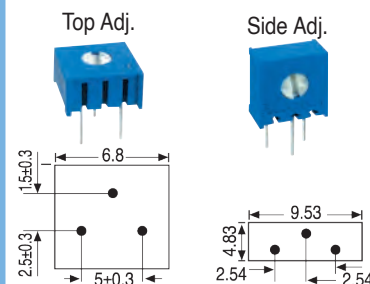
• Resistance tolerance $\pm 10\%$ • Cermet/Industrial sealed



Code	3296W-*	3296X-*	3296Y-*	3296Z-*	3006P-*	3323P-*	3386H-*
------	---------	---------	---------	---------	---------	---------	---------

*Add to Code the resistance value: 100 Ω , 200 Ω , 500 Ω , 1K, 2K, 5K, 10K, 20K, 50K, 100K, 200K, 1M, 2M

Single Turn – P.C.B. Mount



	Potentiometers		Wirewound	Multi Turn	Potentiometer
	Panel Mount	P.C.B. Mount	Panel Mount 5W, 1 Turn	Panel Mount 2W	For shaft fitting
Code	12mm $\varnothing$ 12M1HGB-A-*	12M1HGB-B*	WW24M1HB-A-*	WXD3590-*	PNZ15EAU-*
	16mm $\varnothing$ 16M1HB-A*	–			
	- Power Rating: 1K-5K (0.08W) - Resistance Tolerance: 20% - Rotating Angle: 300° 6mm Steel Shaft 20mm long 12mm $\varnothing$ body for 12M1HGB-A 16mm $\varnothing$ body for 16M1HB-A *Add resistance value: 500Ω, 1K, 2K, 5K, 10K, 20K, 50K, 100K, 500K, 1M		- Power Rating: 5W - Resistance Tolerance: 20% - Rotating Angle: 300° 6mm Steel Shaft, 20mm long 24mm $\varnothing$ body *Add resistance value: 500Ω, 1K, 2K, 5K	- Power Rating: 2W max. 500V - Resistance Tolerance: 5% - Multi turn 6mm Plastic Shaft - Operating Temp. -55°C to 125°C 22mm $\varnothing$ body *Add resistance value: 100Ω, 500Ω, 1K, 2K, 5K, 10K, 20K, 50K, 100K	- Power Rating: 0.25Wlin; 0.12W no lin - Tolerance: $\leq 1M\Omega \pm 20\%$; $> 1M\Omega \pm 30\%$ - Rotating Angle: 265° $\pm$ 5° *Add resistance value: 100Ω, 200Ω, 500Ω, 1K, 2K, 5K, 10K, 22K, 50K, 100K, 200K, 470K, 1M

CONTROL KNOBS

Shaft hole: 6.4mm $\varnothing$				15 Turn
Code	JK-905-*	JK-901D	JK-902B	H-506
	*Add colour Cap: R, Y, B, G e.g. JK-905-B		Outside $\varnothing$: 19.8mm	Outside $\varnothing$: 22mm

TERMINAL POSTS

	Pack of 5	Pack of 10	Pack of 10	Pack of 10	1 set: Black & Red	1 set: Black & Red	1 set: Black & Red
Code	SP1301-*/5	SP1300-*/10	SP1302-*/10	SP1303-*/10	FN07-BK/R	FN08-BK/R	FN09-BK/R
Amps (A)	16A	16A	16A	16A	80A	150A	200A
Bolt size	Solder tag	4mm	4mm	4mm	6mm	8mm	10mm
Accepts Banana Plug	Yes 4mm	Yes 4mm	Yes 4mm	Yes 4mm	–	–	–
Hole sizes	10mm	8mm	10mm	10mm	10mm	14mm	16mm
*Add colour to code	● BK, ● B, ● G, ● R, ○ W	● BK, ● R, ● G	● BK, ● R, ● G	● BK, ● B, ● G, ● R, ○ W	–	–	–

ELECTRONIC COMPONENTS

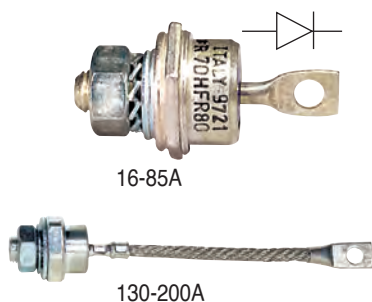


Bridge Rectifiers

Code	Description	Code	Description
WB104	1Amp 400V	DB2506	25Amp 600V
DB406	4Amp 600V	DB3506	35Amp 600V
DB606	6Amp 600V	DB5006	50Amp 600V



DB2506 DB3506 DB5006

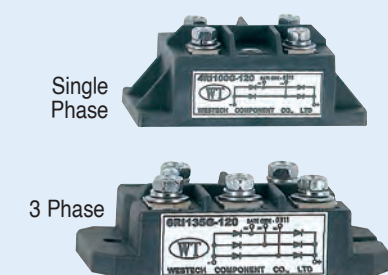


Diodes - Stud Type

Amps	Max Voltage	Cathode to Stud	Anode to Stud
16A	1200V	16F120	16FR120
25A	1200V	25F120	25FR120
70A	800V	70HF080 (M6)	70HFR080 (M6)
70A	800V	70HF080-8 (M8)	70HFR080-8 (M8)
70A	1200V	70HF120	70HFR120
85A	800V	85HF080	85HFR080
130A	1200V	130HF120	130HFR120
150A	800V	45L080	45LR080
250A	800V	70L080	70LR080

Diodes - Lead Type

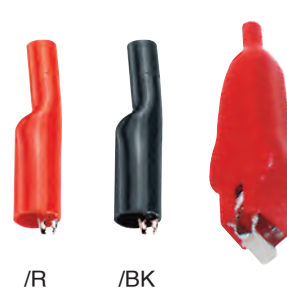
Code	Description
IN4007	1Amp 1000V
IN5408	3Amp 1000V



Bridge Rectifiers

Single Phase Code	Amps	Volts VRRM	Volts VRSM	3 Phase Code
-	35A	1200	1320	MDS 35/12
MDQ 50/12	50A	1200	1320	MDS 50/12
MDQ 100/12	100A	1200	1320	MDS 100/12
MDQ 135/12	135A	1200	1320	MDS 135/12
MDQ 160/12	160A	1200	1320	MDS 160/12
-	200A	1200	1320	MDS 200/12

CLAMPS & TEST LEADS



Type	Battery Clamps		Battery Clamp Sets		Alligator Clips		2 x 5 Colour Leads
Code	SP1231-BK/R(20A) SP1232-BK/R(50A)	SP1221-BK/R 100A	SP51200S 200A	SP51400B 400A	SP1226-BK/R	SP1212-BK/R(10A) SP1214-BK/R(30A)	SP1236
	20A, L = 81mm 50A, L = 95mm	100A, L = 155mm	L = 135mm	L = 175mm	L = 47mm	10A, L = 53mm 30A, L = 70mm	Double ended, 400mm

DIP SWITCHES

Code	DS-N*-R
*Add No of way: 02, 03, 04, 05, 06, 07, 08, 09, 10 or 12	

Code	DP-L*-R
*Add No of way: 02, 03, 04, 05, 06, 07, 08, 09, 10 or 12	

SOCKETS, PLUGS & CONNECTORS

Cable Connectors  Male Female	Connectors - Not to be used as Inline Connector. For Inline see page 616-617.					
Chassis Mount Connectors  Male Female	No. of Poles 2 Pole 3 Pole 4 Pole 6 Pole 8 Pole 10 Pole 12 Pole	Amps 8A 8A 5A 5A 5A 1A 1A	Volts 250V 250V 125V 125V 125V 50V 50V	Chassis Mount Connector Male Female		Cable Connector Male Female
				PX041202P	PX041202S	PX041002P
				PX041203P	PX041203S	PX041003P
				PX041204P	PX041204S	PX041004P
				PX041206P	PX041206S	PX041006P
				PX041208P	PX041208S	PX041008P
				PX041210P	PX041210S	PX041010P
				PX041212P	PX041212S	PX041012P
	Material: Polyamide Operating Temp: -40°C to 80°C			Contacts: Copper Alloy, Gold Plated IP68		
Sealing Caps 	Code PX0480 PX0481	Description Sealing cap for PX0412 Sealing cap for PX0410	Contact Insertion Tool 		Code SA13027 SA13027/1 SA13027/2	Description Tool for 1A Pins Tool for 5A Pins Tool for 8A Pins

Cannon Plugs & Sockets

Common Range of Connectors						
						
Code	CP08-005	CP08-007	CP08-02802	CP08-02801	CP08-033-*	CPWW08-034-*
Type	3 Pin Female Plug	3 Pin Male Plug	Flange Mount Socket	Flange Mount Female Socket	Female Plug	Panel Mount Male Socket
*Add number of pins to code: 2, 3, 4, 5, 6, 7, 8						

Car Lighter Plugs & Sockets

						
Code	CLP-13-001	CLP-13-004	CLS-13-008	CLS-13-061	06-026	14-0040/5
	Cigarette Lighter Plug without fuse	Cigarette Lighter Plug with 5A fuse & LED	Cigarette Lighter Socket - Cable Connect	Cigarette Lighter Socket - Panel Mount	4 Pole Speaker Terminal Board 19 x 63mm	9V Battery Clip (Pack of 5)

Battery Holder Open 150mm Tails

						
Qty	2 Battery	Code	3 Battery	Code	4 Battery	Code
Type	AA	14-0010A	AA	14-0014A	AA	14-0017A
	AAA	14-0027A	AAA	14-0028A	AAA	14-0029A

Battery Holder Open with Lid 150mm Tails

						
Qty	2 Battery	Code	3 Battery	Code	4 Battery	Code
Type	AA	14-0034A	AA	14-0035A	AA	14-0036A
	AAA	14-0037A	AAA	14-0038A	AAA	14-0039A