imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

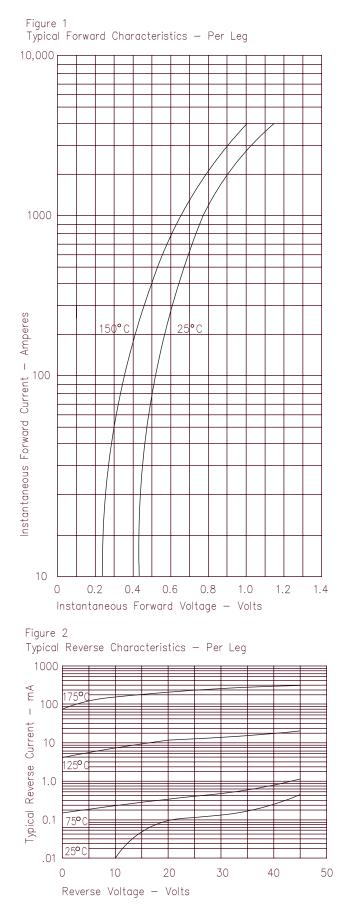
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



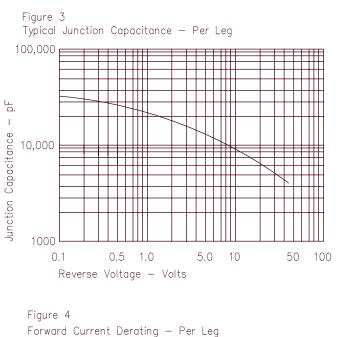
Schottky Powe CPT60035 — (erMod CPT60045
A R C C C C N W C C C H C C C C C C C C C C C C C	Dim. Inches Millimeters Min. Max. Min. Max. Notes A 3.630 92.20 B 0.700 0.800 17.78 20.32 C 0.680 17.28 E 0.120 0.130 3.05 3.30 F 0.490 0.510 12.45 12.95 G 1.375 BSC 34.92 BSC H 0.010 0.25 N 1/4-20 Q Q 0.275 0.290 6.99 7.37 Dia. R 3.150 BSC 80.01 BSC U 0.600 15.24 V 0.312 0.340 7.92 8.64 W 0.180 Dia.
Microsemi Industry Working Peak Repetitive Peak Catalog Number Part Number Reverse Voltage Reverse Voltage CPT60035* MBRP60035CTL 35V 35V CPT60040* 40V 40V CPT60045* 45V 45V *Add Suffix A for Common Anode, D for Doubler	 Schottky Barrier Rectifier Guard Ring Protection 600 Amperes/35 to 45 Volts 175°C Junction Temperature Reverse Energy Tested ROHS Compliant
Electrical Characterist	tics
Average forward current per legI F(AV) 300 AmpsTMaximum surge current per legI FSM 6000 Amps8Maximum repetitive reverse current per legI R(OV) 2 Amps6Max peak forward voltage per legVFM 0.65 Volts1Max peak forward voltage per legVFM 0.52 Volts1Max peak reverse current per legI RM 75 mAVMax peak reverse current per legI RM 8.0 mAV	C = 139°C, Square wave, ^R 0JC = 0.10°C/W C = 139°C, Square wave, ^R 0JC = 0.20°C/W 3.3ms, half sine, ^T J = 175°C f = 1 KHZ, 25°C, 1µsec square wave FM = 300A: ^T J = 25°C FM = 300A: ^T J = 175°C 'RRM, ^T J = 125°C* 'RRM, ^T J = 25°C 'R = 5.0V, ^T C = 25°C
*Pulse test: Pulse width 300µsec, [Duty cycle 2%
Thermal and Mechanical Cha	racteristics
Storage temp rangeTSTGOperating junction temp rangeTJMax thermal resistance per legR ØJCMax thermal resistance per pkgR ØJCTypical thermal resistance (greased)R ØCSTerminal TorqueMounting Base Torque (outside holes)Mounting Base Torque (center hole)center hole must be torqued first	-55°C to 175°C -55°C to 175°C 0.20°C/W Junction to case 0.10°C/W Junction to case 0.08°C/W Case to sink 35-40 inch pounds 30-40 inch pounds 8-10 inch pounds 2.8 ounces (78 grams) typical

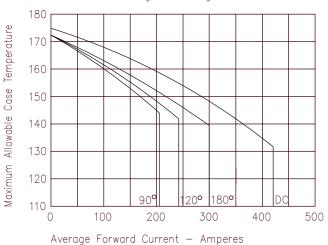


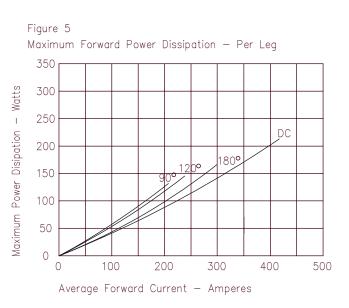
CPT60035



CPT60045







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