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

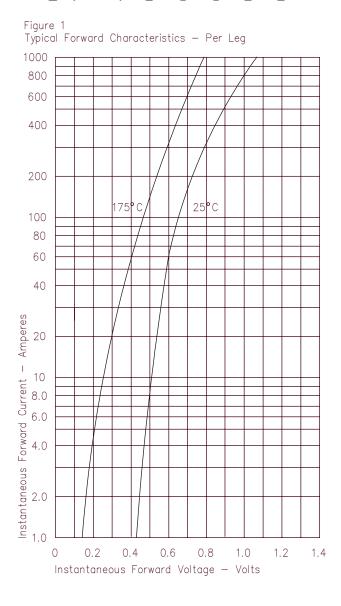
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

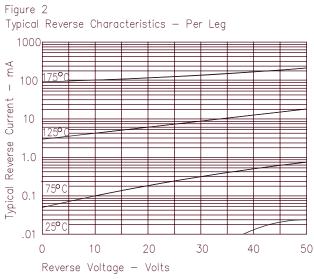


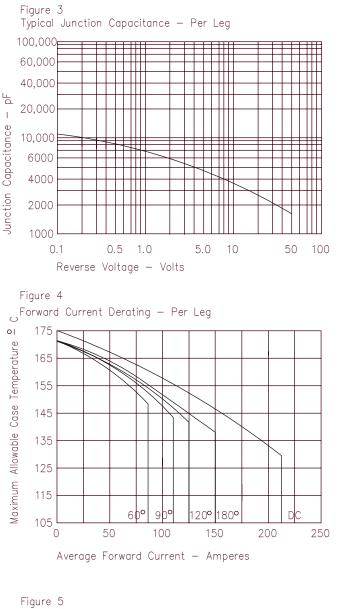
Schottky PowerMod	
CPT30035 - CPT30050	
	Dim. Inches Millimeters
G G	Min. Max. Min. Max. Notes
A=Common Anode	A 3.630 92.20 B 0.700 0.800 17.78 20.32 C 0.630 16.00 E 0.120 0.130 3.05 3.30 F 0.490 0.510 12.45 12.95 G 1.375 BSC 34.92 BSC
Baseplate Common Cathode	H 0.010 0.25 N 1/4-2 Q 0.275 0.290 6.99 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 0.195 4.57 4.95 Dia.
E Notes: Baseplate: Nickel plated copper	
MicrosemiIndustryWorking PeakRepetitive PeakCatalog NumberPart NumberReverse VoltageReverse VoltageCPT30035*301CNQ03535V35VCPT30040*301CNQ04040V40VCPT30045*301CNQ04545V45VMBRP30045CT45V45V	 Schottky Barrier Rectifier Guard Ring Protection 300 Amperes/35 to 50 Volts 175°C Junction Temperature
CPT30050* 50V 50V	 Reverse Energy Tested ROHS Compliant
*Add Suffix A for Common Anode, D for Doubler	
Electrical Characteris	tics
Average forward current per legI F(AV) 150 AmpsTMaximum surge current per legI FSM 2000 Amps8Maximum repetitive reverse current per legI R(OV) 2 Amps1Max peak forward voltage per legVFM 0.70 Volts1Max peak forward voltage per legVFM 0.76 Volts1Max peak reverse current per legI RM 75 mAVMax peak reverse current per legI RM 75 mAVMax peak reverse current per legI RM 4.0 mAV	$C = 136^{\circ}C$, Square wave, $R_{\Theta JC} = 0.20^{\circ}C/W$ $C = 136^{\circ}C$, Square wave, $R_{\Theta JC} = 0.40^{\circ}C/W$ 3.3ms, half sine, $T_{J} = 175^{\circ}C$ $f = 1 \text{ KHZ}$, $25^{\circ}C$ $FM = 200A:T_{J} = 125^{\circ}C^{*}$ $FM = 200A:T_{J} = 25^{\circ}C^{*}$ $/RRM, T_{J} = 125^{\circ}C^{*}$ $/RRM, T_{J} = 25^{\circ}C$
*Pulse test: Pulse width 300µsec, I	Duty cycle 2%
Thermal and Mechanical Cha	racteristics
Storage temp rangeTSTGOperating junction temp rangeTJMax thermal resistance per legR Θ JCMax thermal resistance per pkgR Θ JCTypical thermal resistance (greased)R Θ CSTerminal 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 0.40°C/W Junction to case 0.20°C/W Junction to case 0.08°C/W Case to sink 35-40 inch pounds 30-40 inch pounds 8-10 inch pounds



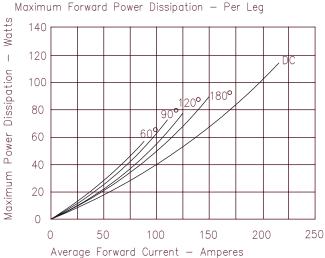
CPT30035







CPT30050





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