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!



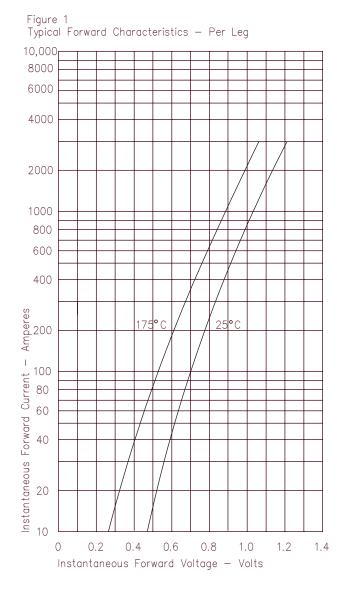
Contact us

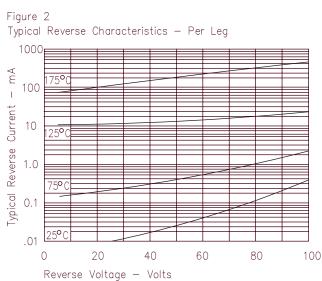
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



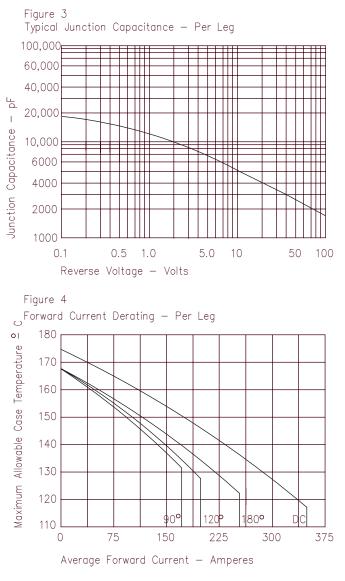
Schottky PowerMod CPT50080 — CPT500100		
	Dim. Inches Millimeters	
	Min. Max. Min. Max. Notes	
Baseplate A=Common Anode N W B Baseplate Baseplate Baseplate	A 3.630 92.20 B 0.700 0.800 17.78 20.32 C .680 17.28 E 0.120 0.130 3.05 3.30 F 0.490 0.510 12.45 12.95 G 1.375 BSC 34.92 BSC	
F F Common Cathode	H 0.050 1.25 N 1.25 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	
→ V → E Notes: Baseplate: Nickel plated copper	W 0.180 0.195 4.57 4.95 Dia.	
Microsemi Industry Working Peak Repetitive Peak Catalog Number Part Number Reverse Voltage Reverse Voltage CPT50080* MBR50080CT 80V 80V CPT50090* 90V 90V CPT500100* MBR500100CT 100V 100V *Add Suffix A for Common Anode, D for Doubler		
Electrical Characteris	stics	
Average forward current per legIF(AV) 250 AmpsMaximum surge current per legIFSM 5000 AmpsMaximum repetitive reverse current per legIR(OV) 2 AmpsMax peak forward voltage per legVFM 0.90 VoltsMax peak forward voltage per legVFM 0.72 VoltsMax peak reverse current per legIRM 200 mAMax peak reverse current per legIRM 200 mAMax peak reverse current per legIRM 200 mA	$\begin{array}{l} {}^{T}C = 122^{\circ}C, \; Square \; wave, \; {}^{R}\Theta JC = \; 0.12^{\circ}C/W \\ {}^{T}C = 122^{\circ}C, \; Square \; wave, \; {}^{R}\Theta JC = \; 0.24^{\circ}C/W \\ 8.3ms, \; half \; sine, \; {}^{T}J = 175^{\circ}C \\ f = 1 \; KHZ, \; 25^{\circ}C, \; 1 \mu sec \; square \; wave \\ {}^{I}FM = \; 250A: \; {}^{T}J = \; 25^{\circ}C \\ {}^{I}FM = \; 250A: \; {}^{T}J = \; 175^{\circ}C \\ {}^{V}RRM, \; {}^{T}J = \; 125^{\circ}C^{\ast} \\ {}^{V}RRM, \; {}^{T}J = \; 25^{\circ}C \\ {}^{V}R = \; 5.0V, \; {}^{T}C = \; 25^{\circ}C \end{array}$	
*Pulse test: Pulse width 300µsec,	Duty cycle 2%	
Thermal and Mechanical Cho	aracteristics	
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)	-55°C to 175°C -55°C to 175°C 0.24°C/W Junction to case 0.12°C/W Junction to case 0.08°C/W Case to sink 35-40 inch pounds 30-40 inch pounds 8-10 inch pounds	

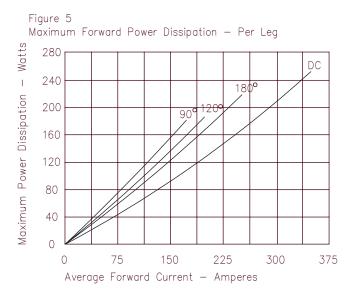
CPT50080





CPT500100

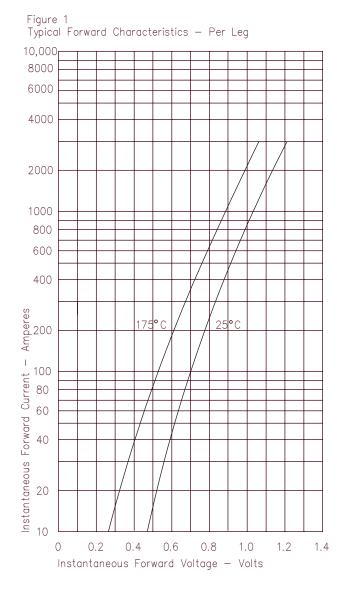


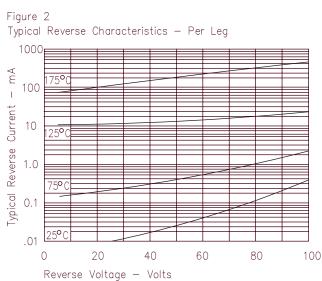




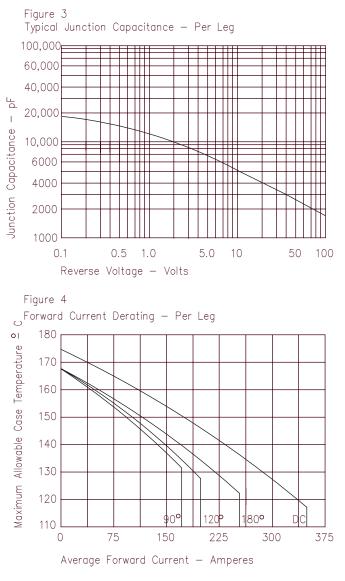
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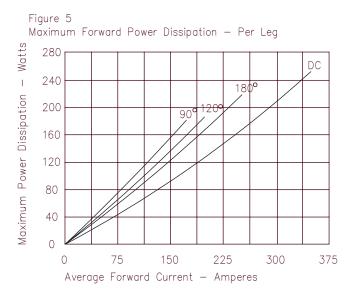
CPT50080





CPT500100







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