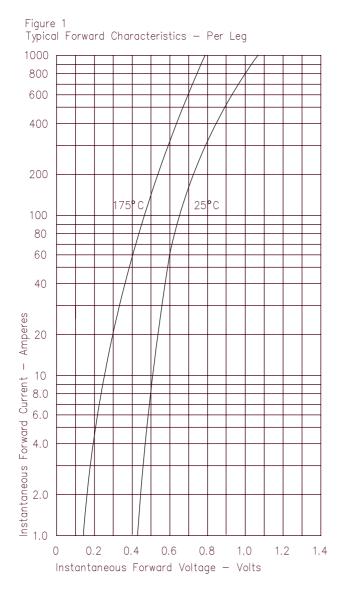
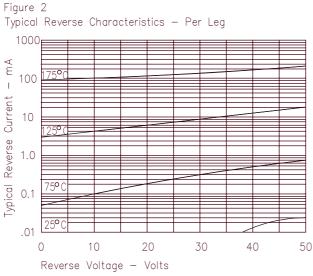
Schottky PowerMod CPT30035 - CPT30050			
		Dim. Inches Millimeters	
		Min. Max. Min. Max. Notes	
	Baseplate A=Common Anode	A 3.630 92.20 B 0.700 0.800 17.78 20.32 C 0.630 16.00 E 0.120 0.130 3.05 3.30 F 0.490 0.510 12.45 12.95 G 1.375 BSC 34.92 BSC	
	Baseplate Common Cathode O-D-D-D-O Baseplate D=Doubler lotes: aseplate: Nickel platec	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.	
copp'er			
Microsemi Industry Working Peak Catalog Number Part Number Reverse Voltage CPT30035* 301CNQ035 35V CPT30040* 301CNQ040 40V CPT30045* 301CNQ045 45V MBRP30045CT CPT30050* 50V *Add Suffix A for Common Anode, D for	35V 40V 45V 50V	 Schottky Barrier Rectifier Guard Ring Protection 300 Amperes/35 to 50 Volts 175°C Junction Temperature Reverse Energy Tested ROHS Compliant 	
Electrical Characteristics			
Average forward current per legIMaximum surge current per legIMaximum repetitive reverse current per legVMax peak forward voltage per legVMax peak forward voltage per legVMax peak reverse current per legIMax peak reverse current per legIMax peak reverse current per legIMax peak reverse current per legI	F(AV) 300 Amps F(AV) 150 Amps FSM 2000 Amps R(OV) 2 Amps FM 0.70 Volts FM 0.76 Volts RM 75 mA RM 4.0 mA J 4600 pF	$\begin{array}{l} {}^{T}C = 136\ensuremath{^{\circ}C}, \mbox{ Square wave, } {}^{R}\theta\ensuremath{JC} = 0.20\ensuremath{^{\circ}C}\ensuremath{/^{\circ}W} \\ {}^{T}C = 136\ensuremath{^{\circ}C}, \mbox{ Square wave, } {}^{R}\theta\ensuremath{JC} = 0.40\ensuremath{^{\circ}C}\ensuremath{/^{\circ}W} \\ {}^{8}.3\ensuremath{ms}, \mbox{ half sine, } {}^{J} = 175\ensuremath{^{\circ}C}\ensuremath{^{\circ}}\ensure$	
*Pulse test: Pulse width 300µsec, Duty cycle 2%			
Thermal and Mechanical Characteristics			
Max thermal resistance per pkg	TSTG TJ R ØJC R ØJC R ØCS	-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	
Weight		2.8 ounces (75 grams) typical	
Microsemi, POWER PRODUCTS GROUP	www.microsem	i.com September, 2014 – Rev. 6	

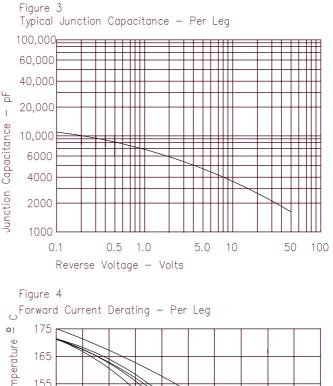
CPT30035

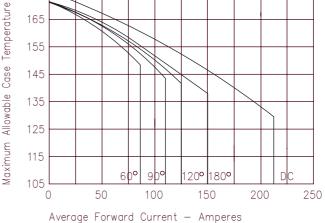


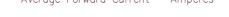




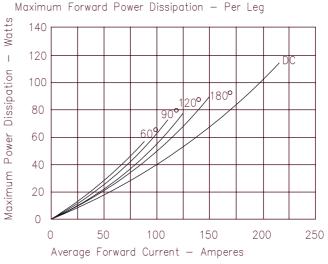












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