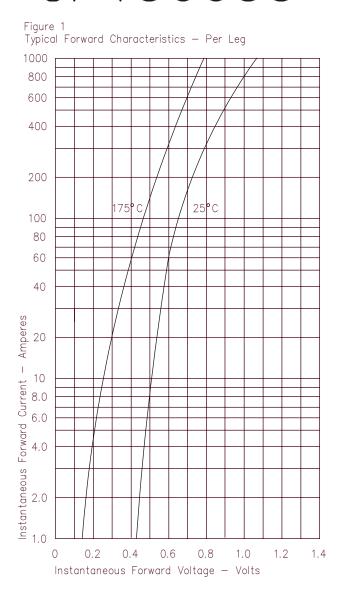
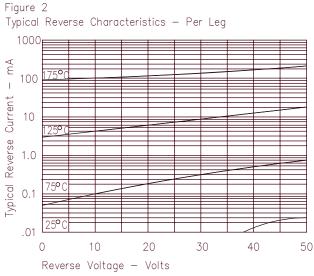
Schottky PowerMod	
CPT30035 - CPT30050	
	Dim. Inches Millimeters
G G G Baseplate A=Common Anode B Q Q	Min. Max. Min. Max. Notes A 3.630 92.20 B 0.700 0.800 17.78 20.32 C 0.630 16.00 E 0.120 0.130 3.05 3.30
Baseplate Common Cathode Common Cathode Common Cathode Common Cathode Common Cathode Common Cathode Common Cathode D=Doubler Baseplate: Nickel plated Common Cathode	F 0.420 0.510 12.45 12.95 G 1.375 BSC 34.92 BSC H 0.010 0.25 N 1/4-24 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.
MicrosemiIndustryWorking PeakRepetitive PeakCatalog NumberPart NumberReverse VoltageReverse VoltageCPT30035*301CNQ03535V35VCPT30040*301CNQ04040V40VCPT30045*301CNQ04545V45VMBRP30045CT50V50V	 Schottky Barrier Rectifier Guard Ring Protection 300 Amperes/35 to 50 Volts 175°C Junction Temperature Reverse Energy Tested ROHS Compliant
*Add Suffix A for Common Anode, D for Doubler Electrical Characteris	
Average forward current per pkg F(AV) 300 AmpsTAverage forward current per leg F(AV) 150 AmpsTMaximum surge current per leg FSM 2000 AmpsEMaximum repetitive reverse current per leg R(OV) 2 AmpsFMax peak forward voltage per legVFM 0.70 VoltsIMax peak forward voltage per legVFM 0.76 VoltsIMax peak reverse current per leg RM 75 mAVMax peak reverse current per leg RM 75 mAVMax peak reverse current per leg RM 4.0 mAV	$C = 136^{\circ}C$, Square wave, $R = 0.20^{\circ}C/W$ $C = 136^{\circ}C$, Square wave, $R = 0.40^{\circ}C/W$ $3.3ms$, half sine, $J = 175^{\circ}C$ $f = 1 \text{ KHZ}$, $25^{\circ}C$ $FM = 200A:TJ = 125^{\circ}C*$ $FM = 200A:TJ = 25^{\circ}C*$ $RRM, TJ = 125^{\circ}C*$ $RRM, TJ = 25^{\circ}C$ $R = 5.0V, TC = 25^{\circ}C$
Thermal and Mechanical Cha	
Merindi did Mechanical CitaStorage 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 0.40°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

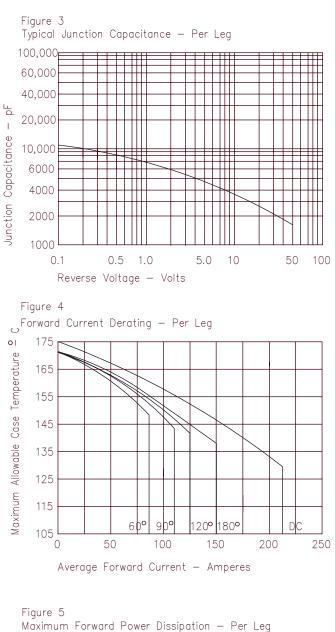


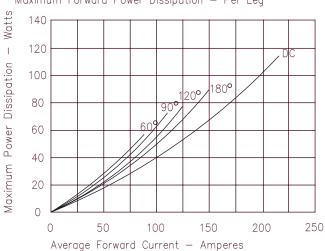
CPT30035













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