

Electrical Characteristics:

Characteristics	Symbol	Condition	Typ.	Max.	Units
Forward Voltage Drop(Per Leg)*	V _{F1}	@ 200A, Pulse, T _J = 25 °C @ 400A, Pulse, T _J = 25 °C	0.54 -	0.57 0.73	V
	V _{F2}	@ 200A, Pulse, T _J = 125 °C @ 400A, Pulse, T _J = 125 °C	0.49 -	0.52 0.68	V
Reverse Current(Per Leg)*	I _{R1}	@V _R = rated V _R , T _J = 25 °C	0.5	20	mA
	I _{R2}	@V _R = rated V _R , T _J = 125 °C	320	800	mA
Junction Capacitance(Per leg)	C _T	@V _R = 5V, T _C = 25 °C f _{sig} = 1MHz	8000	10300	pF
Voltage Rate of Change	dv/dt	-	-	10,000	V/μs

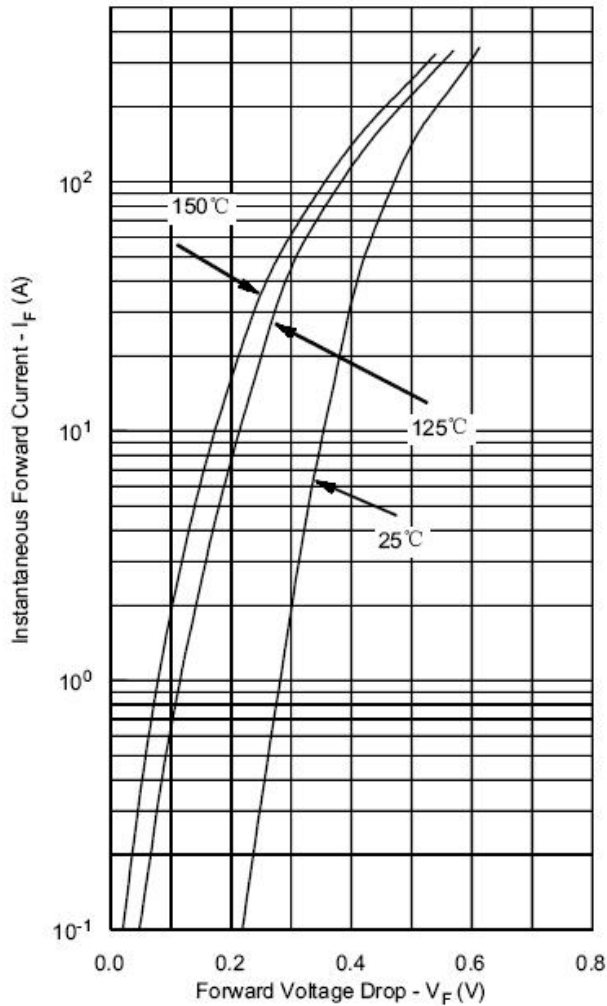
* Pulse width < 300 μs, duty cycle < 2%

Thermal-Mechanical Specifications:

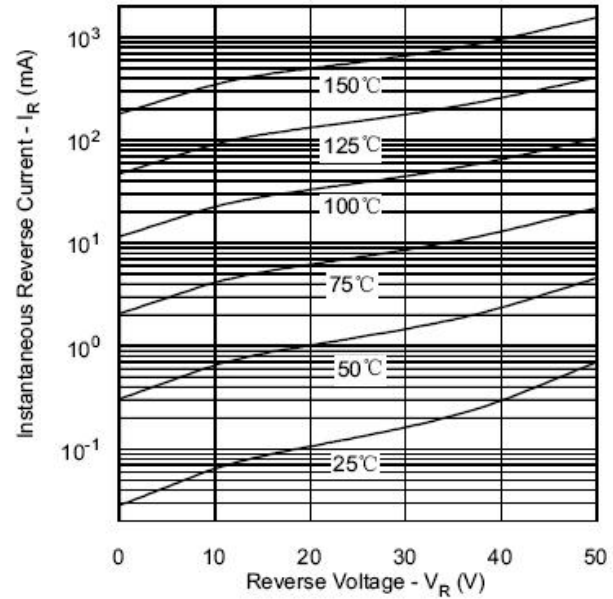
Characteristics	Symbol	Condition	Specification	Units	
Junction Temperature	T _J	-	-55 to +150	°C	
Storage Temperature	T _{stg}	-	-55 to +150	°C	
Typical Thermal Resistance Junction to Case(Per leg)	R _{θJC}	DC operation	0.40	°C/W	
Typical Thermal Resistance Junction to Case(Per package)	R _{θJC}	DC operation	0.20	°C/W	
Typical Thermal Resistance, case to Heat Sink	R _{θcs}	Mounting surface, smooth and greased	0.10	°C/W	
Mounting Torque	T _M	-	Mounting Torque	24(min) 35(max)	Kg-cm
			Terminal Torque	35(min) 46(max)	
Approximate Weight	wt	-	79	g	
Case Style	PRM4 Isolated				

Ratings and Characteristics Curves

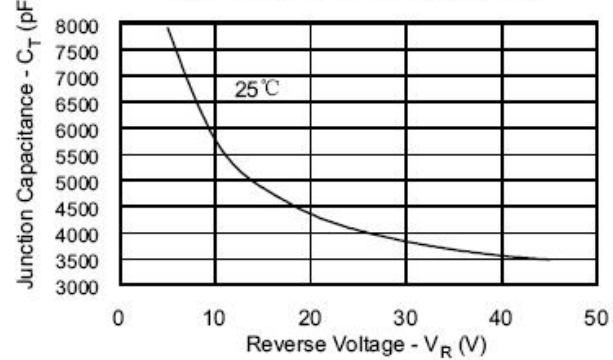
Typical Forward Characteristics



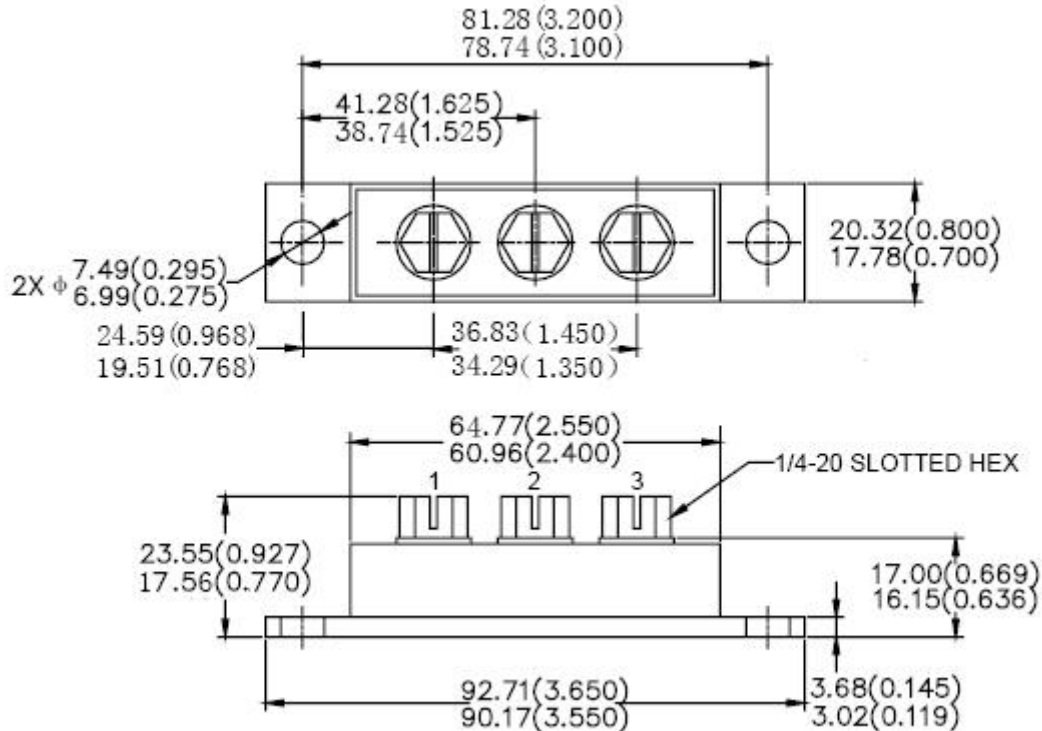
Typical Reverse Characteristics



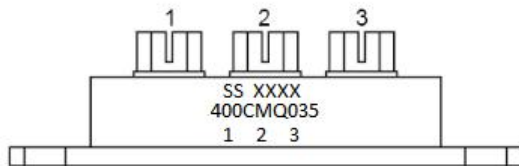
Typical Junction Capacitance



Mechanical Dimensions PRM4 Isolated (Millimeters/Inches)



Marking Diagram



Where XXXX is YYWW

400CMQ035 = Part name
SS = SS
YY = Year
WW = Week

Cautions: Molding resin
Epoxy resin UL:94V-0

Ordering Information

Device	Package	Shipping
400CMQ SERIES	PRM4 Isolated (Pb-Free)	9 pcs/box

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our tape and reel packaging specification.

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