

MG038C200160A

Bridge Diodes
1600V, 200A

Feature

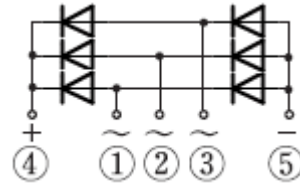
- High current capacity
- Thin PKG 17mm
- High heat dissipation
- Halogen free
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): MG038



Equivalent circuit



Absolute Maximum Ratings (unless otherwise specified : T_c=25°C)

Item	Symbol	Conditions	Ratings	Unit
Storage temperature	T _{stg}		-40 to 125	°C
Junction temperature	T _j		150	°C
Repetitive peak reverse voltage	V _{RRM}		1600	V
Average forward current	I _{F(AV)}	50Hz sine wave, Resistance load, With heatsink, T _c =125°C	200	A
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, per diode, T _j =125°C	2000	A
Dielectric strength	V _{dis}	Terminals to case, AC 1 minute	2.5	kV
Mounting torque	TOR	(M5)	2.8	N·m

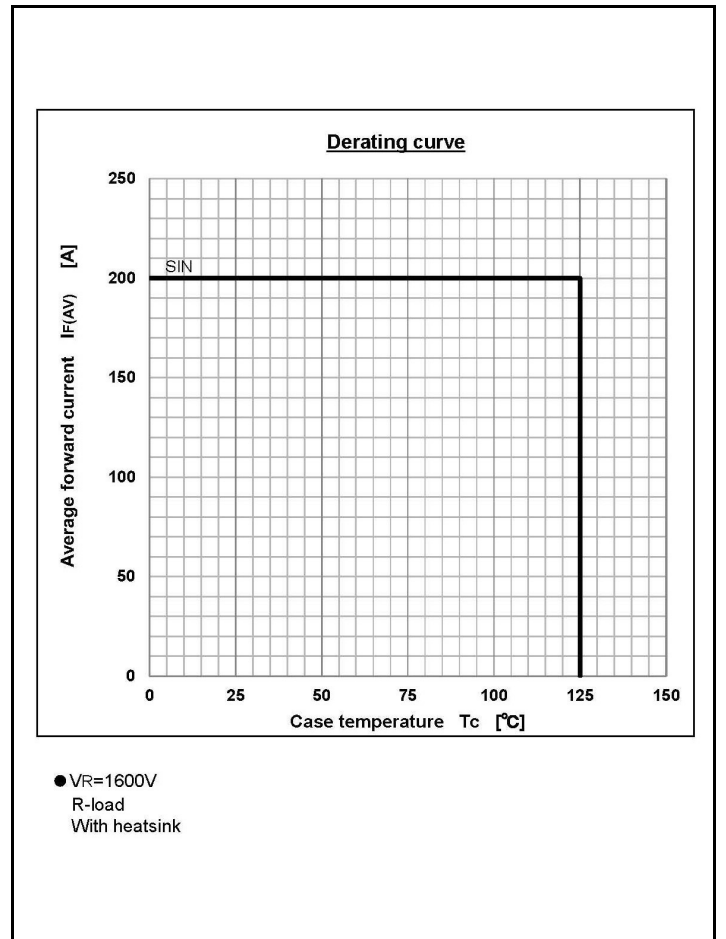
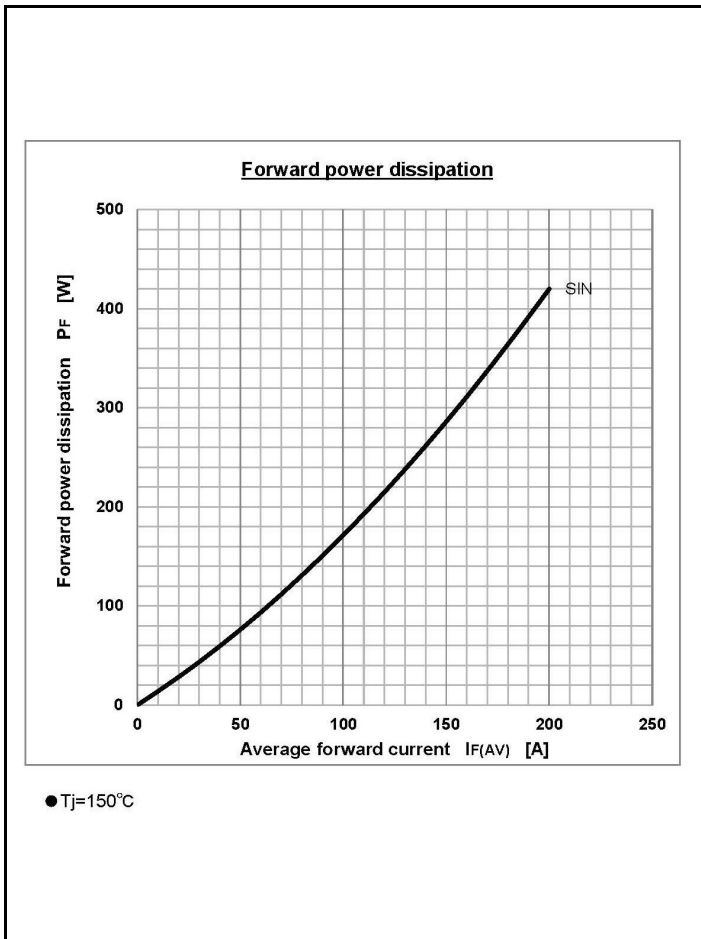
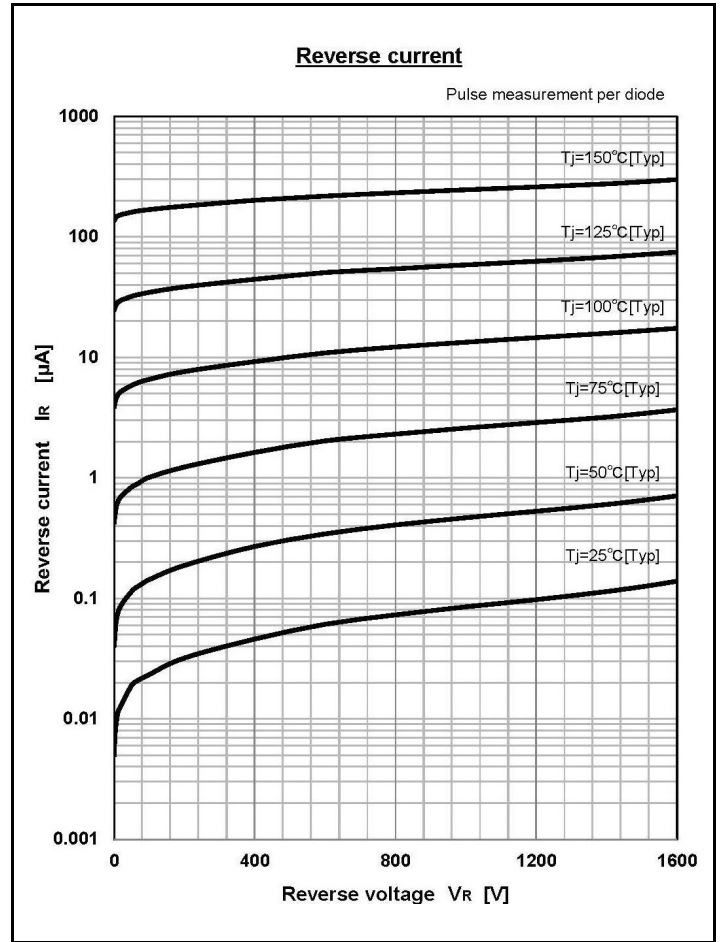
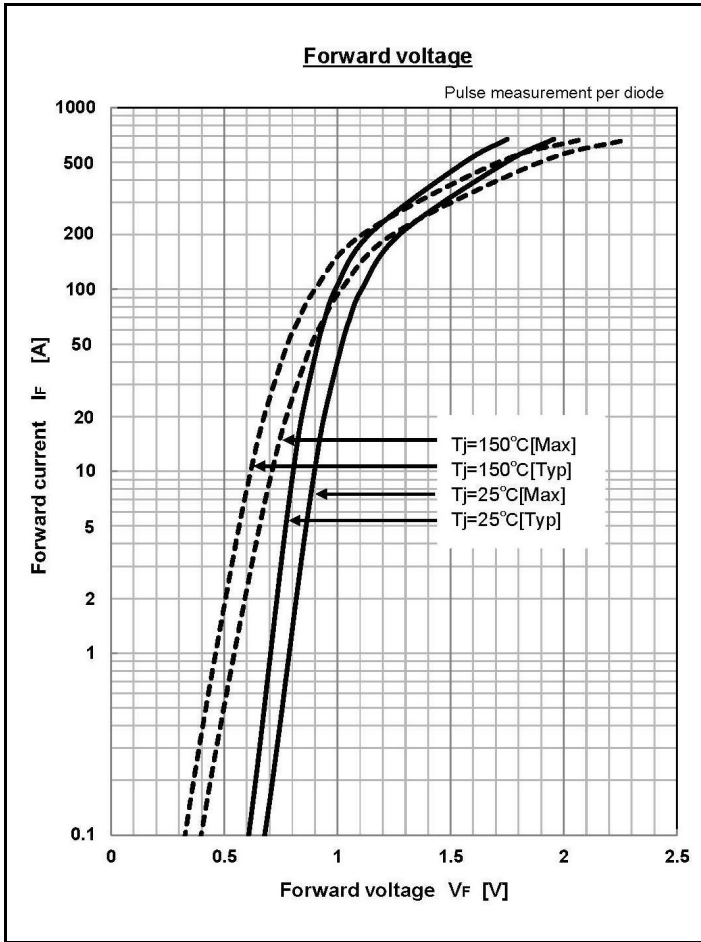
※ :See the original Specifications

Electrical Characteristics (unless otherwise specified : Tc=25°C)

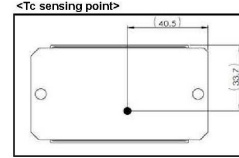
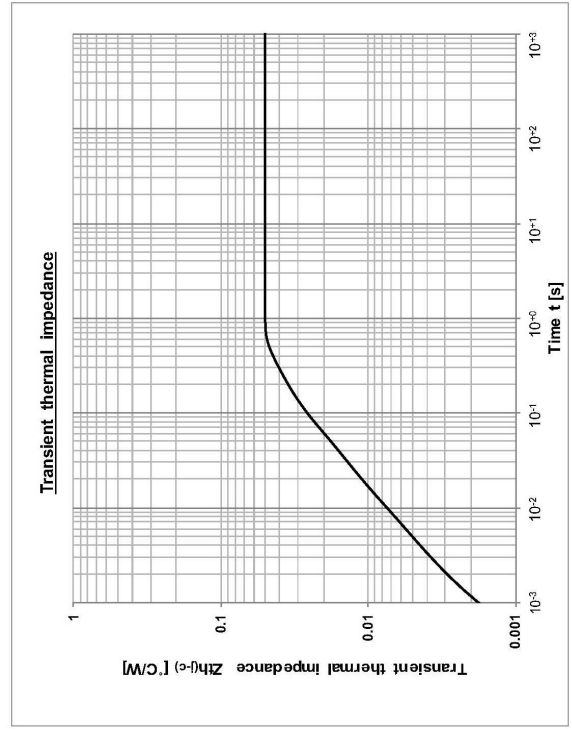
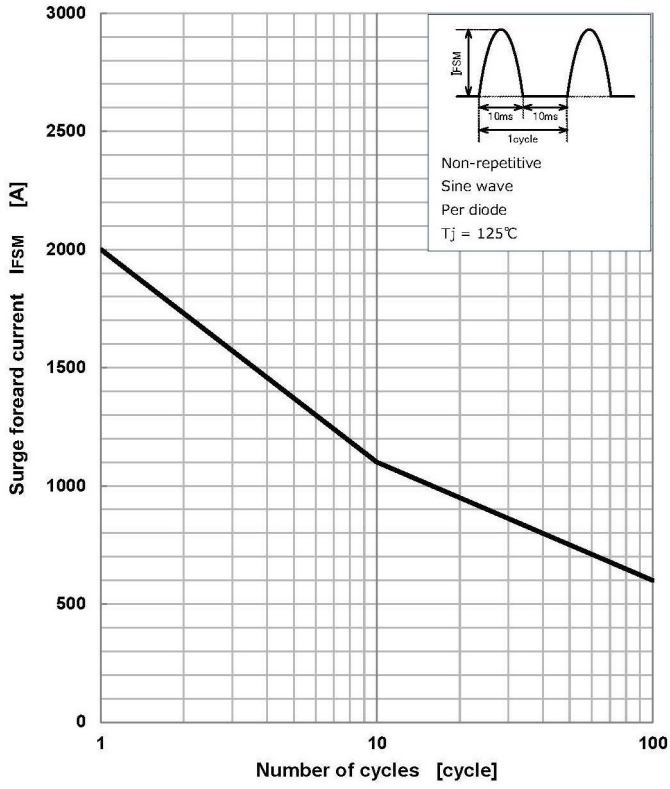
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V _F	I _F =67A, Pulse measurement, per diode			1.05	V
Reverse current	I _R	V _R =1600V, Pulse measurement, per diode			10	μA
Thermal resistance	R _{th(j-c)}	Junction to case, With heatsink. Per module			0.05	°C/W

* :See the original Specifications

CHARACTERISTIC DIAGRAMS

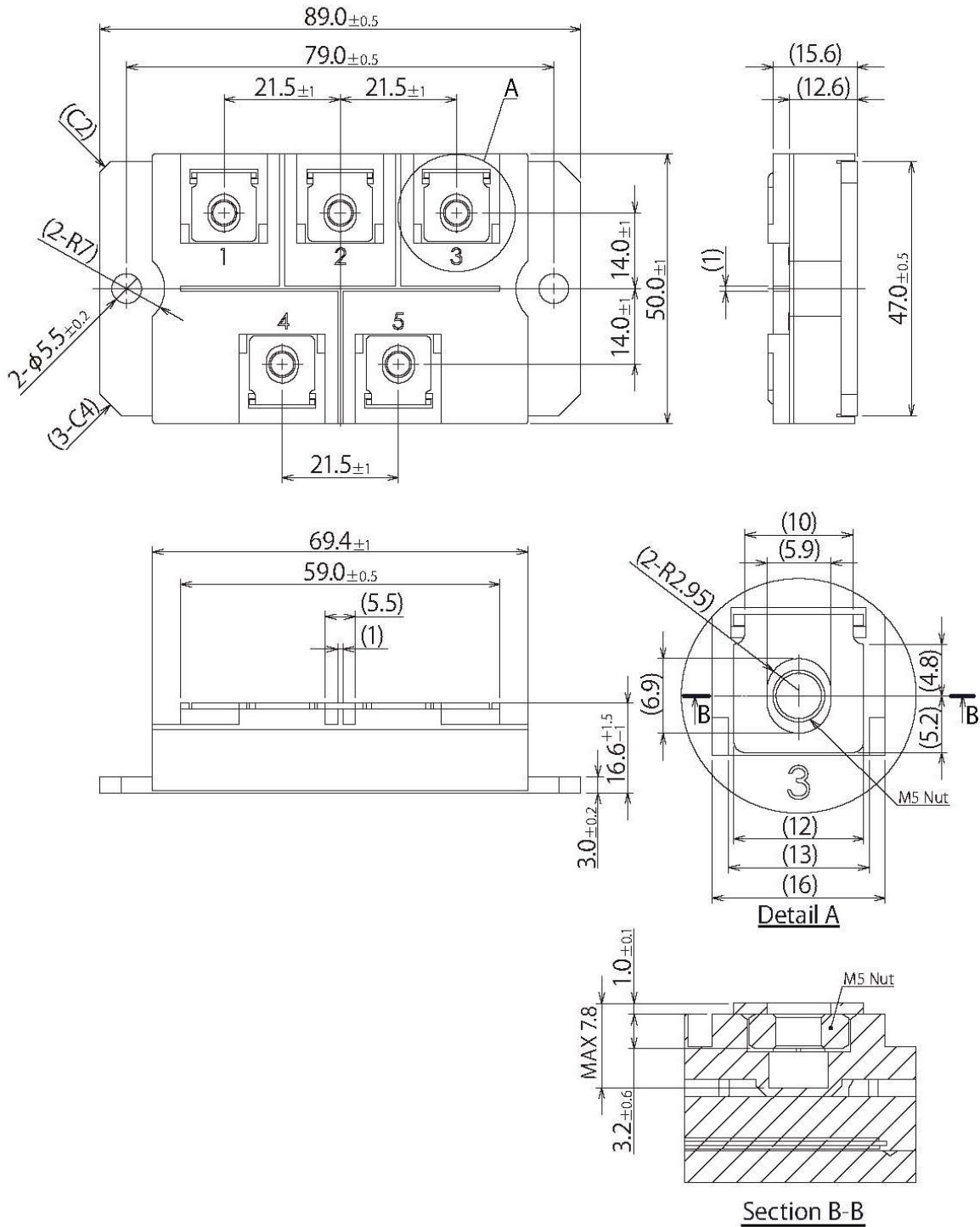


Surge forward current capability



F7

JEDEC Code	-
JEITA Code	-
House Name	MG038



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