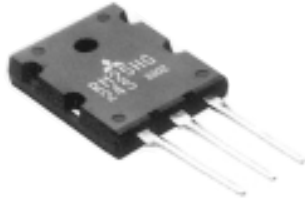


RM25HG-24S

HIGH SPEED SWITCHING USE
NON-INSULATED TYPE

RM25HG-24S



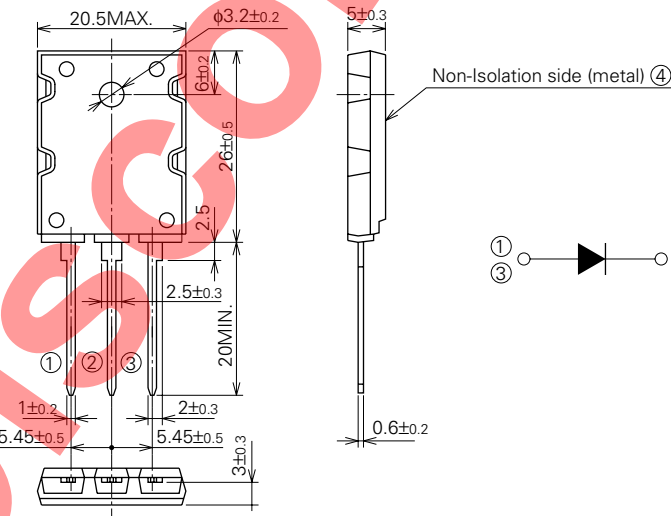
- **IDC** DC current **25A**
- **VRRM** Repetitive peak reverse voltage **1200V**
- **t_{rr}** Reverse recovery time **0.3μs**
- **ONE ARM**
- **Non-Insulated Type**

APPLICATION

For snubber circuit (IPM or IGBT module)

OUTLINE DRAWING & CIRCUIT DIAGRAM

Dimensions in mm



RM25HG-24S

HIGH SPEED SWITCHING USE
NON-INSULATED TYPE

ABSOLUTE MAXIMUM RATINGS (Tj=25°C)

Symbol	Parameter	Voltage class	Unit
		24	
VRRM	Repetitive peak reverse voltage	1200	V
VR (DC)	Reverse DC voltage	960	V

Symbol	Parameter	Conditions	Ratings	Unit
IDC	DC current	Resistive load, Tc=80°C ①, ③ Collective of terminal	25	A
IFSM	Surge (non-repetitive) forward current	One half cycle at 60Hz, peak value ①, ③ Collective of terminal	500	A
I ² t	I ² t for fusing	Value for one cycle surge current	—	A ² s
Tj	Junction temperature		-40~+150	°C
Tstg	Storage temperature		-40~+125	°C
—	Mounting torque	Mounting screw M3	0.59~0.98	N·m
—	Weight	Typical value	6~10	kg·cm
			5	g

ELECTRICAL CHARACTERISTICS

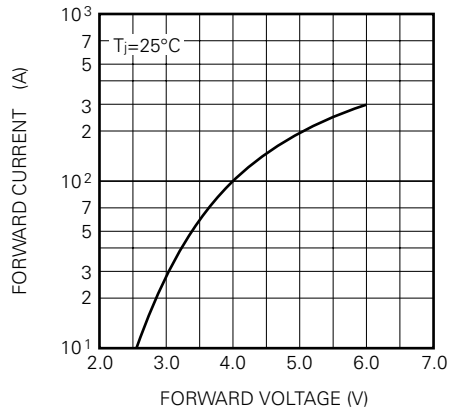
Symbol	Parameter	Test conditions	Limits			Unit
			Min.	Typ.	Max.	
IRRM	Repetitive reverse current	Tj=25/125°C, VRRM applied	—	—	0.1/1.0	mA
VFM	Forward voltage	Tj=25°C, IFM=100A, Instantaneous meas.	—	—	4.0	V
trr	Reverse recovery time	IFM=100A, Tj=25°C, di/dt=-500A/μs, VR=600V	—	—	0.3	μs
Qrr	Reverse recovery charge		—	—	—	μC
Rth (j-c)	Thermal resistance	Junction to case	—	—	0.5	°C/W
Rth (c-f)	Contact thermal resistance	Case to fin, conductive grease applied	—	—	0.5	°C/W

RM25HG-24S

HIGH SPEED SWITCHING USE
NON-INSULATED TYPE

PERFORMANCE CURVES

MAXIMUM FORWARD CHARACTERISTIC



MAXIMUM TRANSIENT THERMAL IMPEDANCE (JUNCTION TO CASE)



RATED SURGE (NON-REPETITIVE) FORWARD CURRENT

