RMD06

SINGLE PHASE GLASS PASSIVATED
FAST RECOVERY
SURFACE MOUNT BRIDGE ECTIFIER
VOLTAGE: 600V **CURRENT:0.8A**

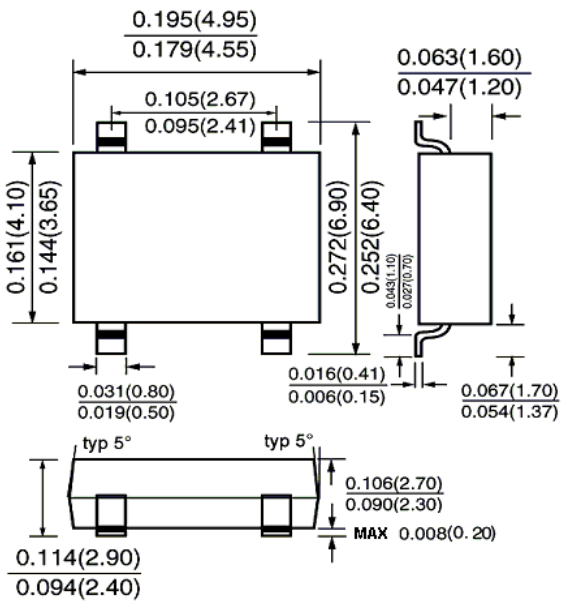
FEATURE

For surface mount application
Reliable low cost construction utilizing molded plastic Technique
Surge overload rating: 30A peak

MECHANICAL DATA

Terminal: Plated leads solderable per J-STD-002
Case:UL-94 Class V-0 recognized Flame Retardant Epoxy
Polarity: Polarity symbol marked on body
Mounting position: any

MDF



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half -wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated)

	SYMBOL	RMD06	Units
Maximum Recurrent Peak Reverse Voltage	Vrrm	600	V
Maximum RMS Voltage	Vrms	420	V
Maximum DC blocking Voltage	VDC	600	V
Maximum Average Forward Rectified Current at Ta =40°C	If(av)	0.8	A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	Ifsm	30.0	A
Maximum Instantaneous Forward Voltage at forward current 0.4A	Vf	1.3	V
Maximum Reverse Recovery Time (Note 1)	Trr	150	nS
Maximum DC Reverse Current Ta =25°C at rated DC blocking voltage Ta =125°C	Ir	5.0 500.0	μA uA
Typical Junction Capacitance (Note 2)	Cj	15.0	pF
Storage and Operating Junction Temperature	Tj, Tstg	-55 to +150	°C

Note:
1. Reverse Recovery Condition If =0.5A, Ir =1.0A, Irr =0.25A
2. Measured at 1.0 MHz and applied voltage of 4.0 volt

RATINGS AND CHARACTERISTIC CURVES RMD06

FIG.1 - FORWARD CURRENT DERATING CURVE

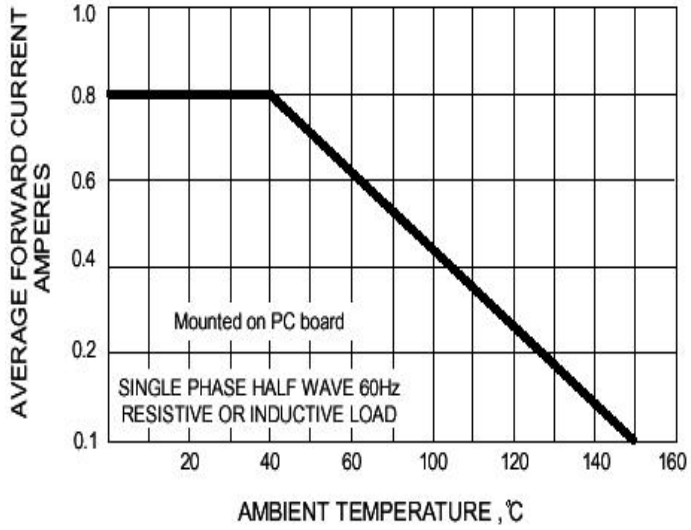


FIG.2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

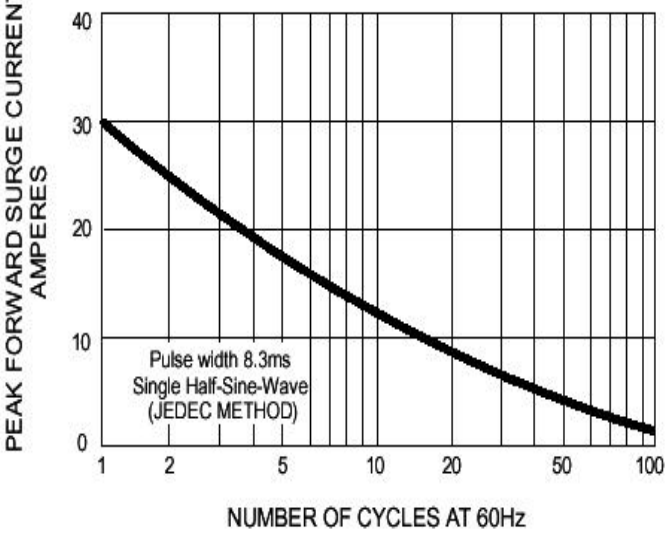


FIG.3 - TYPICAL JUNCTION CAPACITANCE

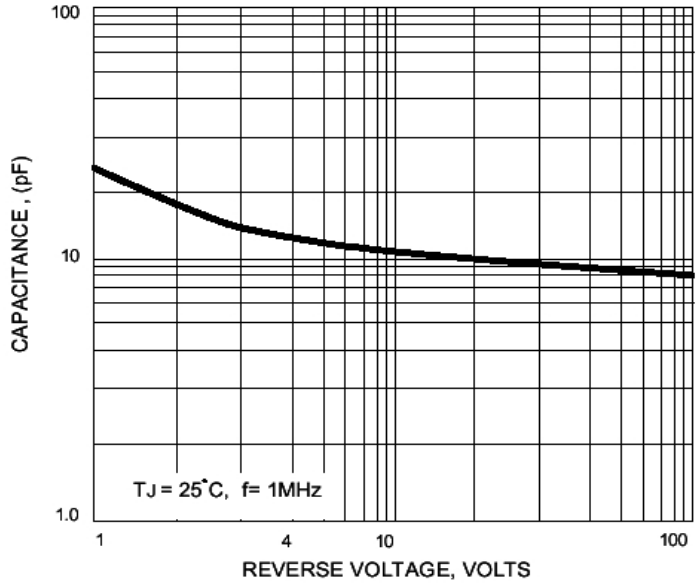


FIG.4 - TYPICAL FORWARD CHARACTERISTICS

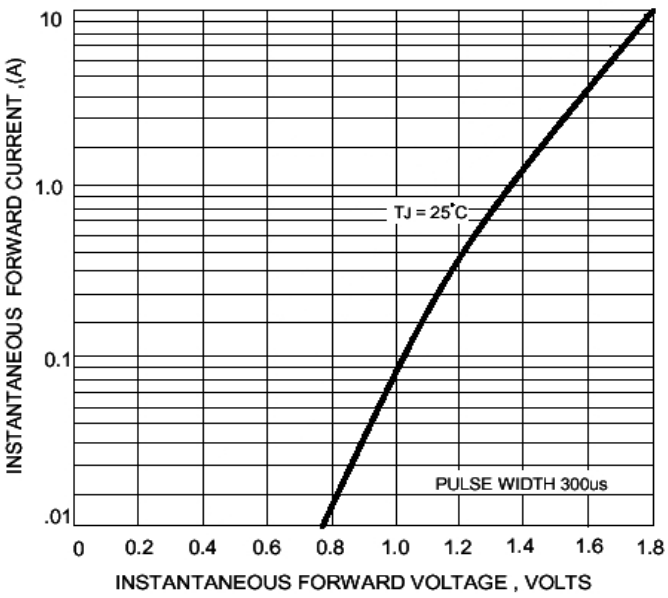


FIG.5 - TYPICAL REVERSE CHARACTERISTICS