

MBR3060PT



Rating at 25 °C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	MBR3060PT	UNIT
Maximum Recurrent Peak Reverse Voltage	Vrrm	60	V
Maximum RMS Voltage	Vrms	42	V
Maximum DC Blocking Voltage	VDC	60	V
Maximum Average Forward(See Figure)	lf(AV)	30	А
Peak Forward Surge Current			
8.3ms Single Half Sine-Wave	IFSM	250	А
Super Imposed on Rated Load (JEDEC Method)			
Maximum Forward Voltage at 15A per leg	Vf	0.8	V
Maximum DC Reverse Current @Tj=25°C	IR	0.1	mA
Rated DC Bolcking Voltage @TJ=125°C	IK	20	IIIA
Typical Thermal Resistance to amibient	Reja	40.0	℃/W
Typical Thermal Resistance to case	Rejc	2.2	°C/W
Operating Temperature Range	TJ	-55 to +150	°C
Storage Temperature Range	Tstg	-55 to +150	°C

NOTE: The typical data above is for reference only.

RATING AND CHARACTERTIC CURVES MBR3060PT





Fig. 2 - Maximum Non-Repetitive Surge Current







Percent of Rated Peak Reverse Voltage (%)



Peak Forward Surge Current (A)

Fig. 4 - Typical Forward Characteristics



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