

MURB1010~MURB1060

ULTRAFAST RECOVERY RECTIFIERS

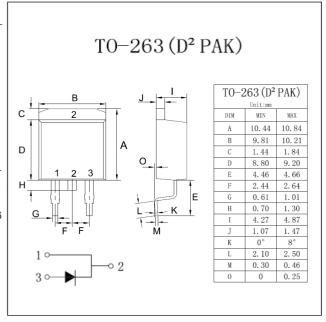
VOLTAGE	100 to 600 Volts
CURRENT	10 Amperes

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0.
 Flame Retardant Epoxy Molding Compound.
- Low power loss, high efficiency.
- · Low forward voltage, high current capability.
- · High surge capability
- · Ultra fast recovery time, high voltage.
- · Lead free in comply with EU RoHS.

MECHANICAL DATA

- · Case: TO-220AC molded plastic
- Terminals: solder plated, solderable per MIL-STD-750, Method 2026
- Polarity: As marked.Mounting Position: Any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%

PARAMETER	SYMBOL	MURB 1010	MURB 1020	MURB 1030	MURB 1040	MURB 1050	MURB 1060	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	100	200	300	400	500	600	V
Maximum RMS Voltage	V _{RMS}	70	140	210	280	350	420	V
Maximum DC Blocking Voltage	V _{DC}	100	200	300	400	500	600	V
Maximum Average Forward Current at T _c = 100°C	I _{F(AV)}	10						А
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	90						А
Maximum Forward Voltage at 10A	V _F	1 1.		.3	1.	7	٧	
Maximum DC Reverse Current at Rated DC Blocking $T_J=25^{\circ}\text{C}$ Voltage $T_J=125^{\circ}\text{C}$	I _R	10 500						μА
Typical Junction Capacitance (Note 1)	C	200						pF
Maximum Reverse Recovery Time (Note 2)	t _{rr}	35						ns
Typical Thermal Resistance (Note 3)	R _{eJC}	3						°C /
Operating Junction and Storage Temperature Range	T _J ,T _{STG}	-55 to +150						°C

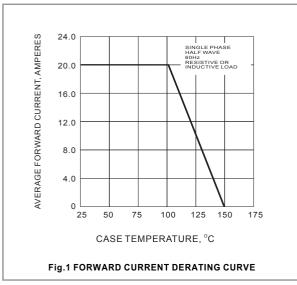
NOTES:

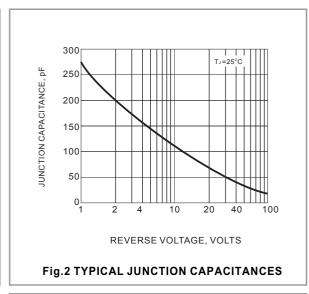
- 1. Measured at 1 MHz and applied reverse voltage of 4.0 VDC.
- 2. Reverse Recovery Test Conditions: I_F =0.5A, I_R =1A, I_R =1A, I_R =0.25A.
- 3. Thermal resistance from Junction to case.

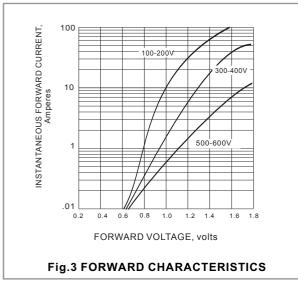


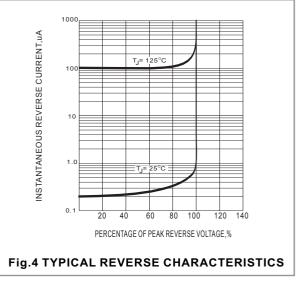


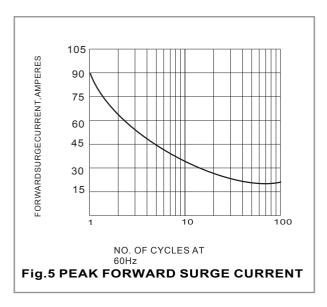
RATING AND CHARACTERISTIC CURVES















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