MUR280S

GLASS PASSIVATED JUNCTION Ultra fast Plastic Rectifiers





FEATURE

Plastic package has Underwriters Laboratories Flammability

Classification 94V-0

Ideally suited for use in very high frequency switching power supplies,

inverters and as free wheeling diodes

Ultra fast recovery time for high efficiency

Excellent high temperature switching

Glass passivated junction

High temperature soldering guaranteed:

250℃/10 seconds, 0.375" (9.5mm) lead length,5 lbs. (2.3kg) tension

MECHANICAL DATA

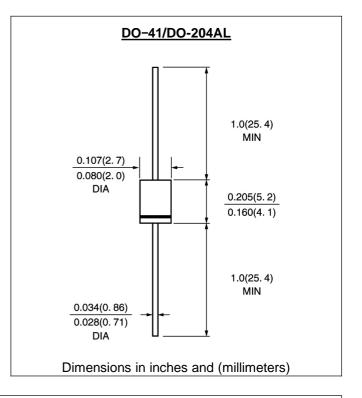
Case: JEDEC DO-41 molded plastic body over passivated chip

Terminals: Plated axial leads, solderable per MIL-STD-202E, Method

208C

Polarity: Color band denotes cathode end

Mounting Position: Any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

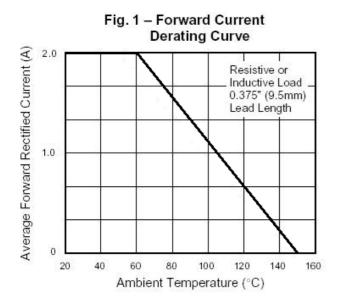
	SYMBOL	MUR280S	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	800	V
Maximum RMS Voltage	Vrms	560	
Maximum DC blocking Voltage	Vdc	800	V
Maximum Average Forward Rectified at=60°C	If(av)	2.0	А
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	lfsm	35	А
Maximum Forward Voltage at rated Forward Current and 25°C	Vf	1.75	V
Maximum Reverse Recovery Time (Note 1)	Trr	75	nS
Typical thermal resistance junction to ambient (Note 2)	Rth(ia)	50	€\M
Maximum DC Reverse Current Ta =25°C	Ir	10	μА
at rated DC blocking voltage Ta =125°C		100	μΑ
Storage and Operating Temperature Range	Tstg, Tj	-55 to +150	°C

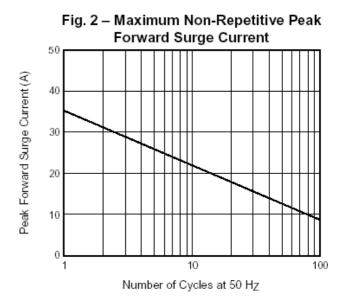
Note:

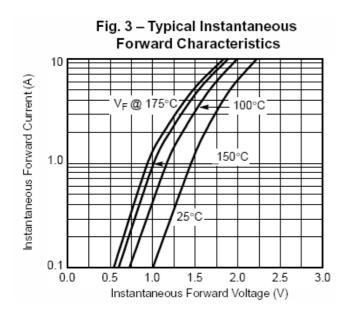
- 1. Reverse Recovery Condition If =0.5A, Ir =1.0A, Irr =0.25A
- 2. Thermal Resistance from Junction to Ambient at 3/8"lead length, P.C. Board Mounted

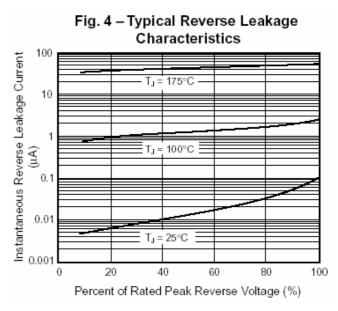
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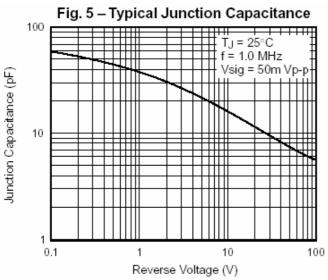
RATINGS AND CHARACTERISTIC MURVES MUR280S











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