UERP20D

Ultra fast Plastic Power Rectifiers

VOLTAGE: 200V CURRENT:20.0A



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 voltage and high reliability

High speed switching

Low forward voltage

MECHANICAL DATA

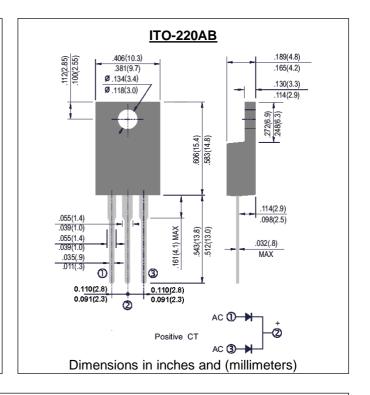
Case: JEDEC ITO-220AB molded plastic body over

passivated chip

Terminals: Plated Insert leads, solderable per

MIL-STD-750, Method 2026

Mounting Position: Any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

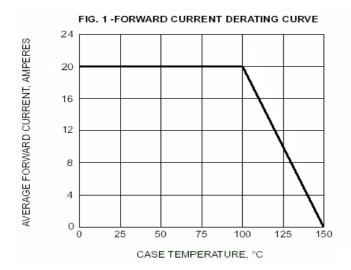
	SYMBOL	UERP20D	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	200	V
Maximum RMS Voltage	Vrms	140	V
Maximum DC blocking Voltage	Vdc	200	V
Maximum Average Forward Rectified at Tc =100°C	If(av)	20.0	А
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	Ifsm	100	А
Maximum Forward Voltage at Forward Current 10A at per leg	Vf	0.93	V
Maximum Reverse Recovery Time (Note 1)	Trr	30	nS
Typical thermal resistance junction to case	Rth(jc)	6.0	°C/W
Maximum DC Reverse Current Ta =25℃	lr	10	
at rated DC blocking voltage Ta =125℃	"	500	μΑ
Storage and Operating Temperature Range	Tstg, Tj	-55 to +150	℃

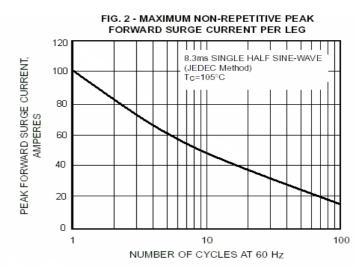
Note:

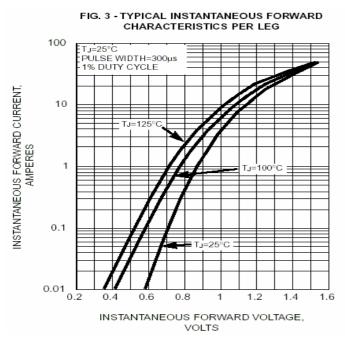
1. Reverse Recovery Condition If =0.5A, Ir =1.0A, Irr =0.25A

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RATINGS AND CHARACTERISTIC CURVES UERP20D







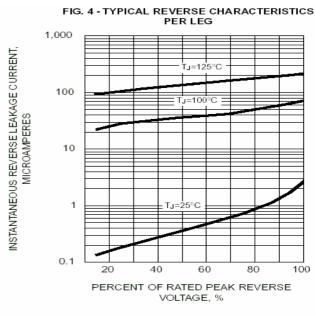
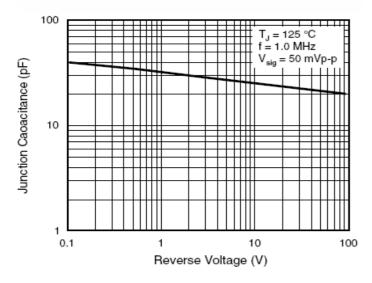


FIG. 5 - TYPICAL JUNCTION CAPACITANCE PER LEG



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