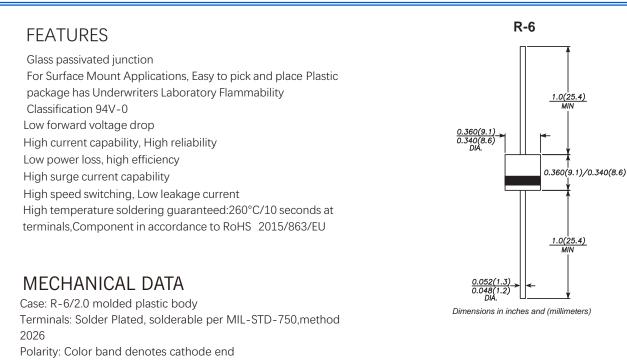


FR2004

Reverse Voltage: 400 Volts Forward Current:20Amperes



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(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%.)
--

Parameters		Symbols	Value	Units
Maximum Repetitive Peak Reverse Voltage		V _{RRM}	400	V
Maximum RMS Voltage		V _{RMS}	280	V
Maximum DC Blocking Voltage		V _{DC}	400	V
Maximum Average Forward Rectified Current		IF(AV)	20	А
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)		Ifsm	800	А
Maximum Instantaneous Forward Voltage	I _F =5A I _F =20A	VF	0.95 1.3	V
Maximum DC Reverse Current at rated DC blocking voltage	T,=25°C	- Ir	5.0	μA
	T,=125°C		100	μΑ
Maximum reverse recovery time(Note1)		trr	150	ns
Typical junction capacitance(Note2)		C,	220	pF
Typical Thermal Resistance(Note3)		Røja Røjl	45 1.5	°C/W
Operating junction and storage temperature range		Tj, Tstg	-55 to+150	°C

Note: 1.Test conditions: IF=0.5A,IR=1.0A,IRR=0.25A.

2.Measured at 1MHZ and applied reverse voltage of 4.0 Volts.

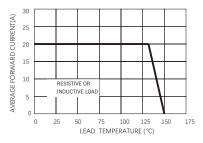
3. Thermal resistance junction to lead. Measured in 3 mm distance from case



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Reverse Voltage: 400 Volts Forward Current:20Amperes

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE





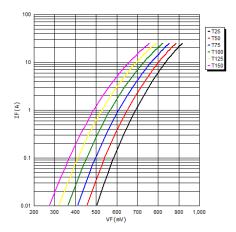


FIG.5-TYPICAL JUNCTION CAPACITANCE

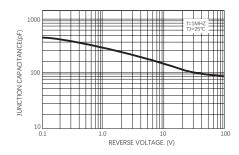


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

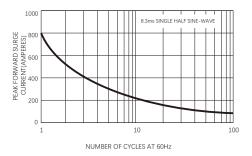
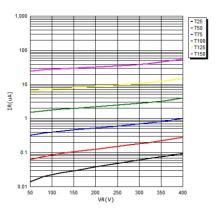


FIG.4-TYPICAL REVERSE CHARACTERISTICS



单击下面可查看定价,库存,交付和生命周期等信息

>>ZG(中鑫半导体)