



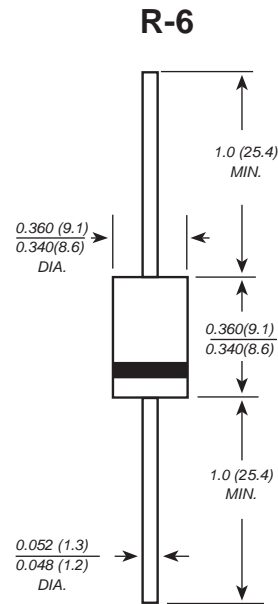
20A05-20A10

FEATURES

- High current capability
- High surge current capability
- High reliability
- Low reverse current
- Low forward voltage drop

MECHANICAL DATA

- Case: JEDEC R-6 molded plastic
- Polarity: Color band denotes cathode
- Mounting position: Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND CHARACTERISTICS (T_A = 25°C)

Parameter	Symbol	20A05	20A1	20A2	20A4	20A6	20A8	20A10	Unit
Marking		20A05	20A1	20A2	20A4	20A6	20A8	20A10	
Maximum repetitive peak reverse voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @T _A =60°C	I _{F(AV)}	20.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	I _{FSM}	400							A
Maximum Instantaneous Forward Voltage at I _F = 20A	V _F	1.0					1.1		V
Maximum DC reverse current at rated DC blocking voltage	T _A =25°C	I _R					5.0		uA
	T _A =100°C	I _{R(H)}					1.0		mA
Typical junction capacitance at 4.0V, 1MHz	C _J	150							pF
Typical Thermal Resistance (1)	R _{θJA}	20							°C/W
Operating junction temperature range	T _J	-55 to +150							°C
Storage temperature range	T _{STG}	-55 to +150							°C

Notes:

Thermal resistance from junction to ambient and from junction to lead at 0.375" (9.5mm) lead length, P.C.B. mounted with 1.1" x 1.1" (30 x 30mm) copper pads



CHARACTERISTIC CURVES

Fig.1 Maximum Forward Current Derating Current

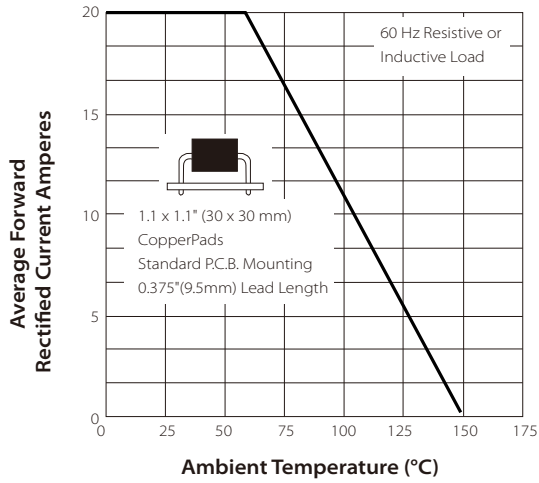


Fig.2 Typical Instantaneous Forward Characteristics

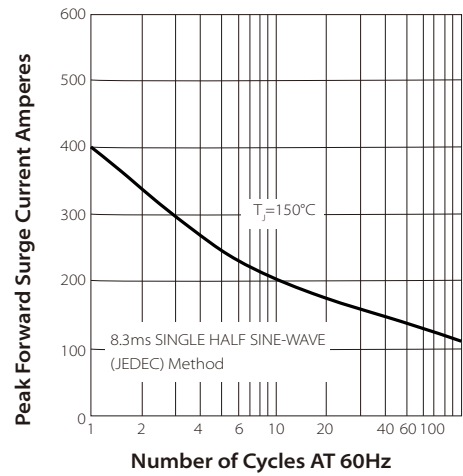


Fig.3 Typical Instantaneous Forward Characteristics

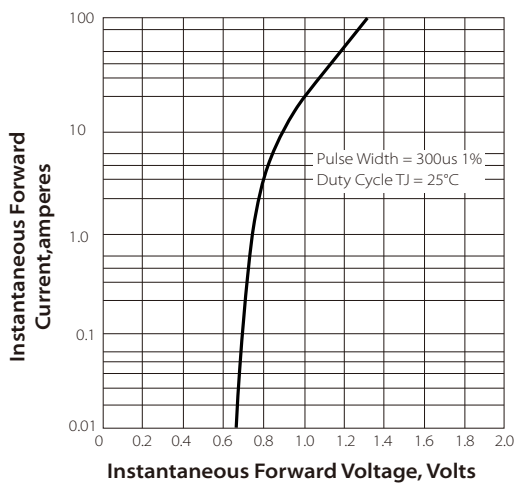
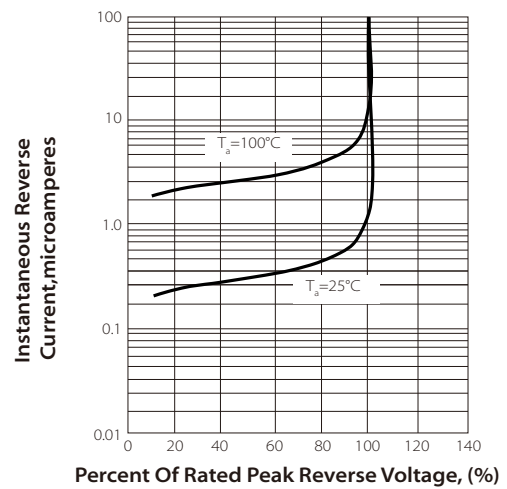


Fig.4 Typical Reverse Characteristics



单击下面可查看定价，库存，交付和生命周期等信息

[>>ZG\(中鑫半导体\)](#)