

HIGH EFFICIENCY GLASS PASSIVATED RECTIFIERS

REVERSE VOLTAGE - 50 to 1000Volts
FORWARD CURRENT - 8.0 Amperes

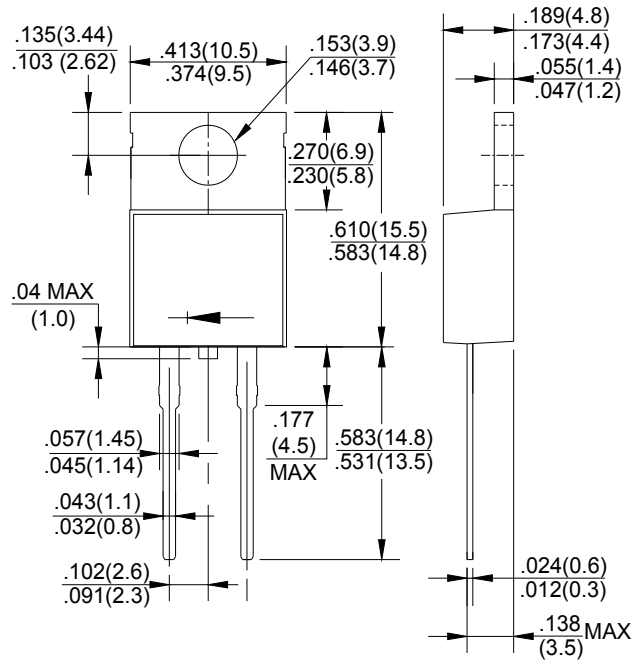
FEATURES

- Low switching noise
- Low forward voltage drop
- Low thermal resistance
- High current capability
- High fast switching capability
- High surge capacity

MECHANICAL DATA

- Case: TO-220AC molded plastic
- Epoxy: UL94V-0 rate flame retardant
- Lead: MIL-STD-202E method 208C guaranteed
- Mounting position :Any
- Weight: 2.24 grams

TO-220AC



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

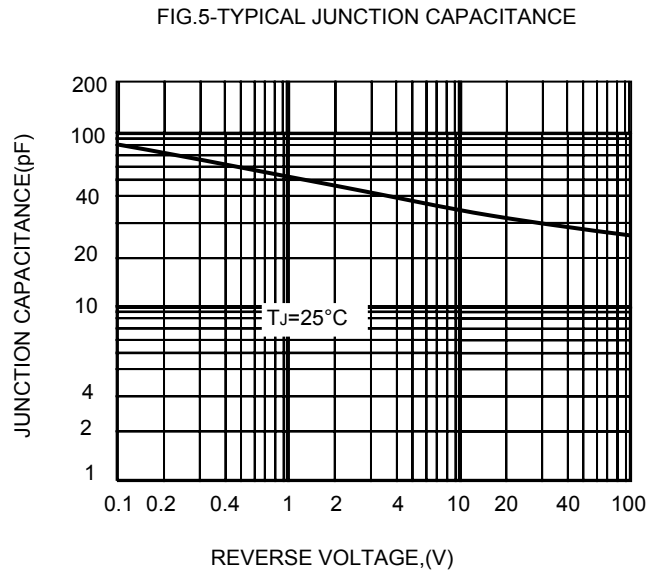
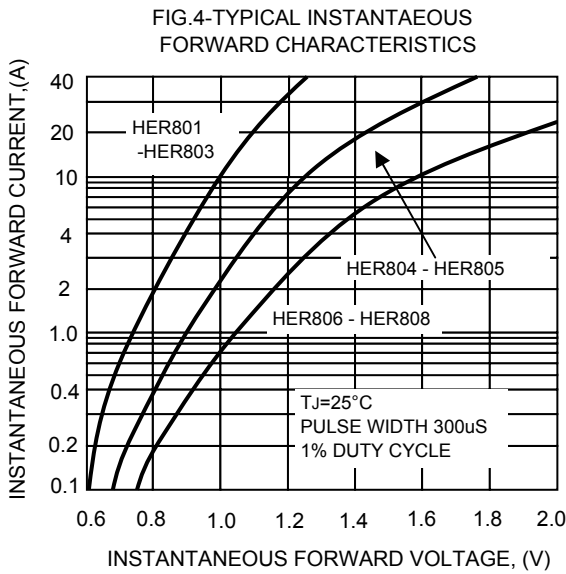
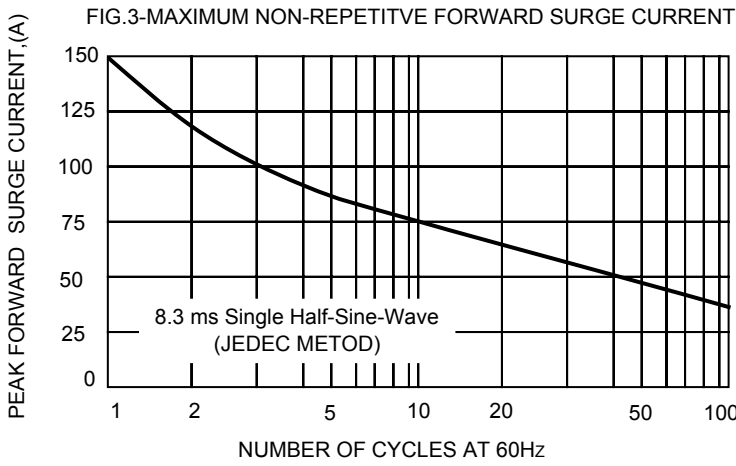
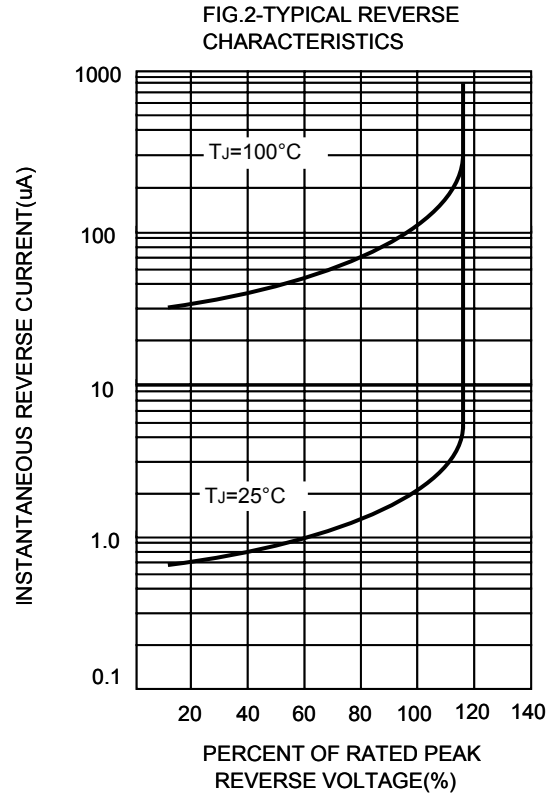
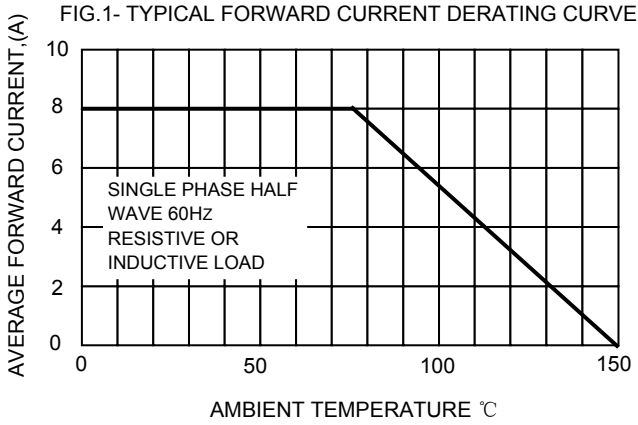
For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	HER	HER	HER	HER	HER	HER	HER	HER	UNIT
		801	802	803	804	805	806	807	808	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	300	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	210	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	300	400	600	800	1000	V
Maximum Average Forward Rectified Current @T _A =75 °C	I _o	8.0								A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	I _{FSM}	150								A
Typical Thermal Resistance	R _{θJA}	2.5								°C/W
Typical Junction Capacitance (Note2)	C _J	40								pF
Peak Instantaneous Forward Voltage at 8.0A DC	V _F	1.0		1.3			1.7			V
Maximum DC Reverse Current @T _J =25°C at Rated DC Blocking Voltage @T _J =100°C	I _R	10 150								μA
Maximum Reverse Recovery Time(Note1)	T _{RR}	60						75		nS
Operating and Storage Temperature Range	T _J ,T _{STG}	-55 to + 150								°C

NOTES:1. Measured with I_F=0.5A,I_R=1A,I_{RR}=0.25A

2. Measured at 1.0 MHZ and applied reverse voltage of 4.0V DC.

3. The typical data above is for reference only(典型值仅供参考).



The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!



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