



HER1601CT thru HER1608CT

HIGH EFFICIENCY GLASS PASSIVATED RECTIFIERS

REVERSE VOLTAGE - 50 to 1000Volts
FORWARD CURRENT - 16.0 Amperes

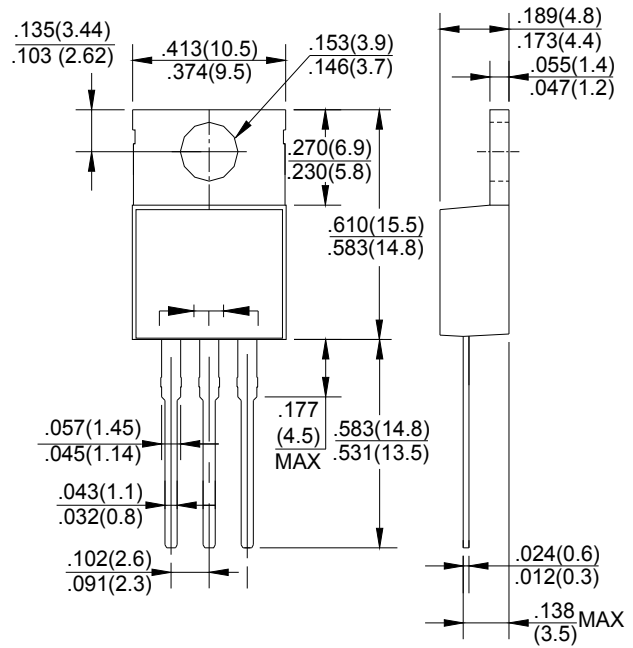
FEATURES

- Low power loss; high efficiency
- Low forward voltage drop
- Low thermal resistance
- High current capability
- High speed switching
- High reliability

MECHANICAL DATA

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

TO-220AB



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

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

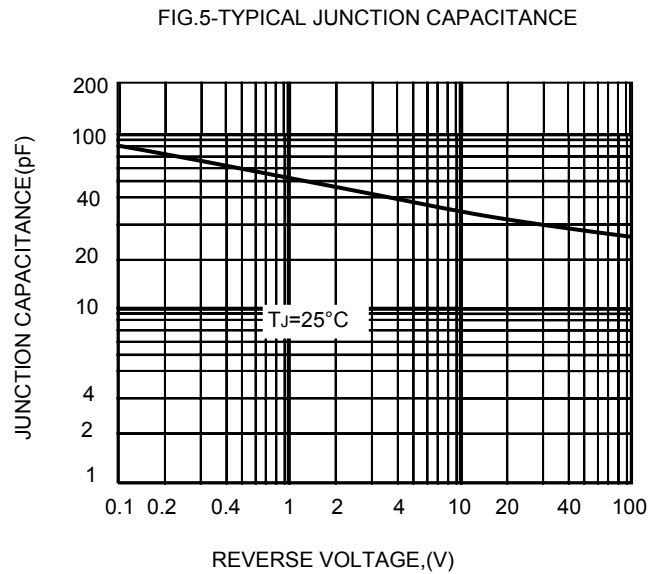
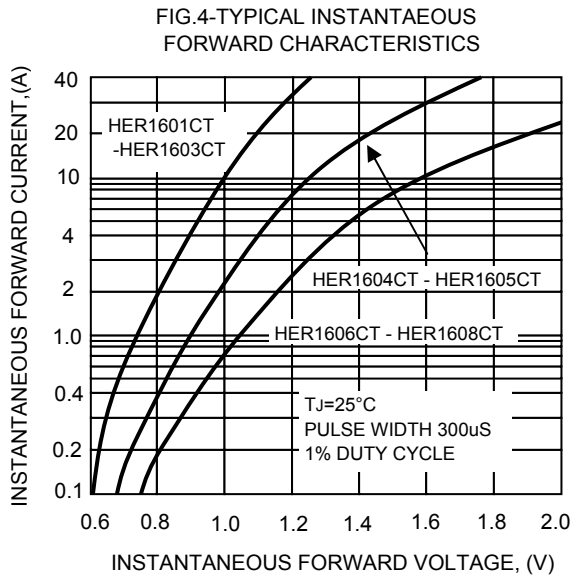
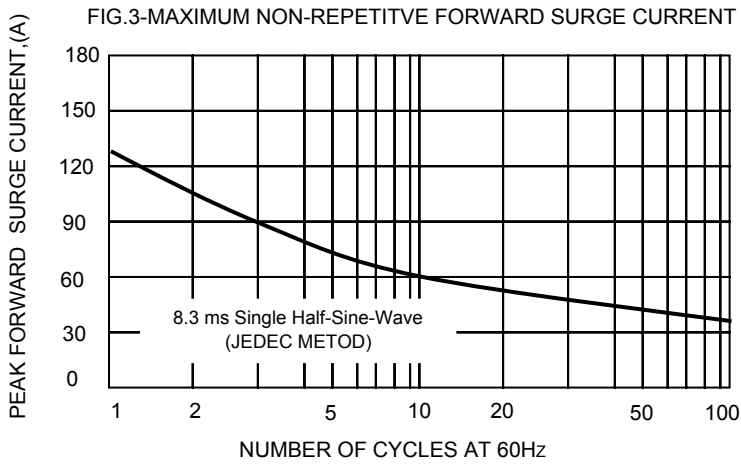
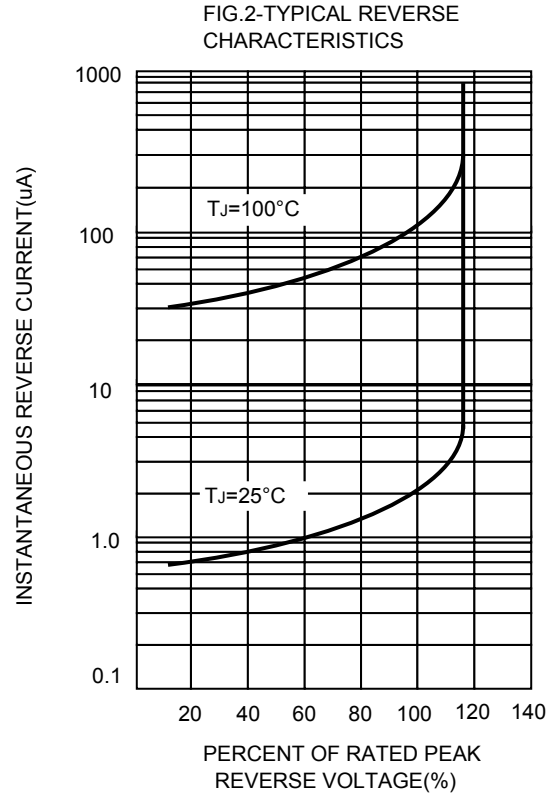
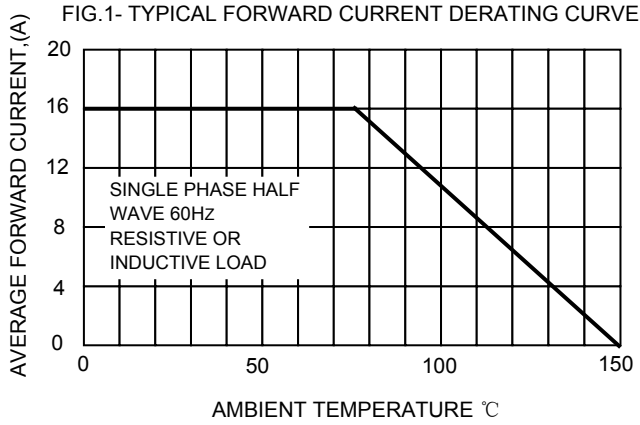
For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	HER	HER	HER	HER	HER	HER	HER	HER	UNIT
		1601CT	1602CT	1603CT	1604CT	1605CT	1606CT	1607CT	1608CT	
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	16.0								A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	I _{FSM}	125								A
Typical Thermal Resistance	R _{θJA}	2.5								°C/W
Typical Junction Capacitance (Note2)	C _J	40								pF
Peak Forward Voltage at 8.0A DC	V _F	1.0		1.3		1.7		1.75		V
Maximum DC Reverse Current @T _J =25°C at Rated DC Blocking Voltage @T _J =100°C	I _R	10								μA
		150								
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 4.0VDC.

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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