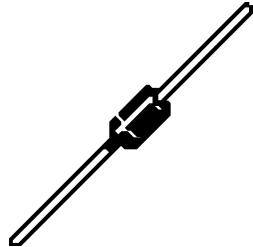
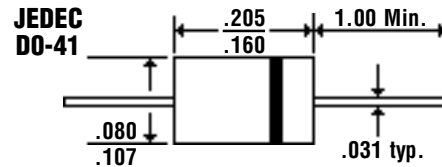


Description



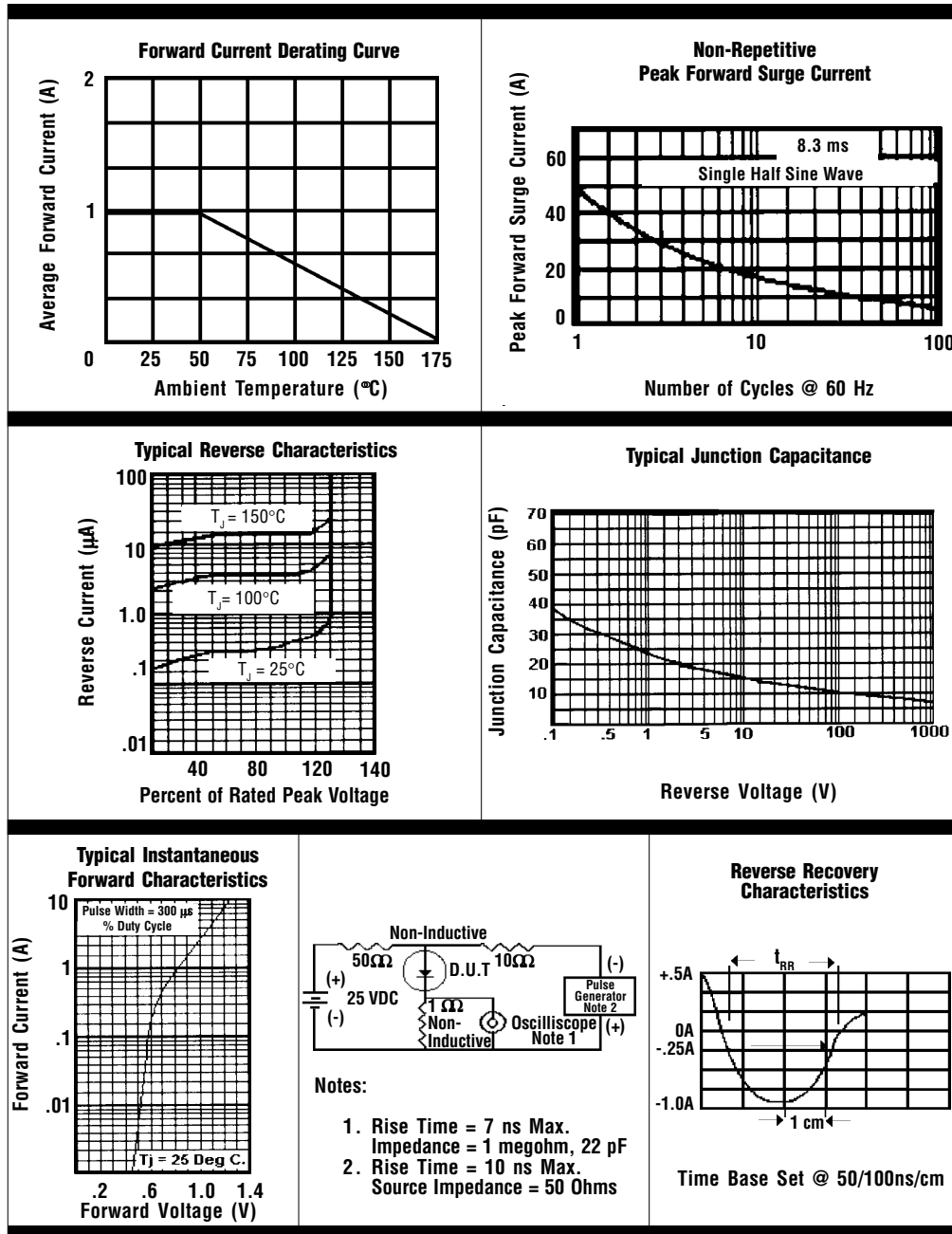
Mechanical Dimensions



Features

- LOW COST
- ULTRAFAST RECOVERY TIME
- LOW FORWARD VOLTAGE DROP
- MEETS UL SPECIFICATION 94V-0

HER101 . . . 108 Series									Units
Maximum Ratings	101	102	103	104	105	106	107	108	
Peak Repetitive Reverse Voltage...V _{RRM}	50	100	200	300	400	600	800	1000	Volts
RMS Reverse Voltage...V _{R(rms)}	35	70	140	210	280	420	560	700	Volts
DC Blocking Voltage...V _{DC}	50	100	200	300	400	600	800	1000	Volts
Average Forward Rectified Current...I _{F(av)} T _A = 55°C	.....				1.0	.....			Amps
Non-Repetitive Peak Forward Surge Current...I _{FSM} @ Rated Current & Temp	.....				30	.....			Amps
Operating & Storage Temperature Range...T _J , T _{STRG}	.....				-65 to 150	.....			°C
Electrical Characteristics									
Maximum Forward Voltage @ 1.0A...V _F	< 1.0 >				1.3	< 1.7 >		Volts	
Maximum DC Reverse Current...I _R @ Rated DC Blocking Voltage	.....				5.0	.....			μAmps
	.....				150	.....			μAmps
Typical Junction Capacitance...C _J (Note 1)	< 35 >					< 80 >		pF	
Typical Thermal Resistance...R _{θJC} (Note 2)	.....				2.5	.....			°C / W
Maximum Reverse Recovery Time...t _{RR} (Note 3)	< 50 >					< 75 >		ns	



- NOTES:**
1. Measured @ 1 MHz and applied reverse voltage of 4.0V.
 2. Thermal Resistance Junction to Ambient Vert. PC Board Mounting 0.5" (12.7mm) Lead Length.
 3. Conditions: $I_F = 0.5A$, $I_R = 1.0A$, $I_{RR} = 0.25A$.

Ratings at 25 Deg. C ambient temperature unless otherwise specified.

Single Phase Half Wave, 60 Hz Resistive or Inductive Load.

For Capacitive Load, Derate Current by 20%.