

HER307

Ultrafast recovery Rectifier diode Reverse Voltage50-1000v Forward current-3A

Features

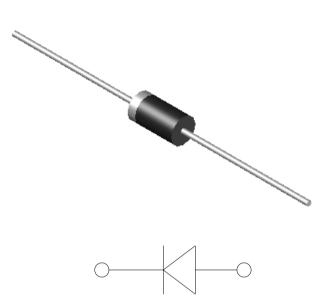
Glass passivated chip High surge current capability Ldeal for surface mounted applications Low power loss, high efficiency Plastic Case Material has UL Flammability

Mechanical Data

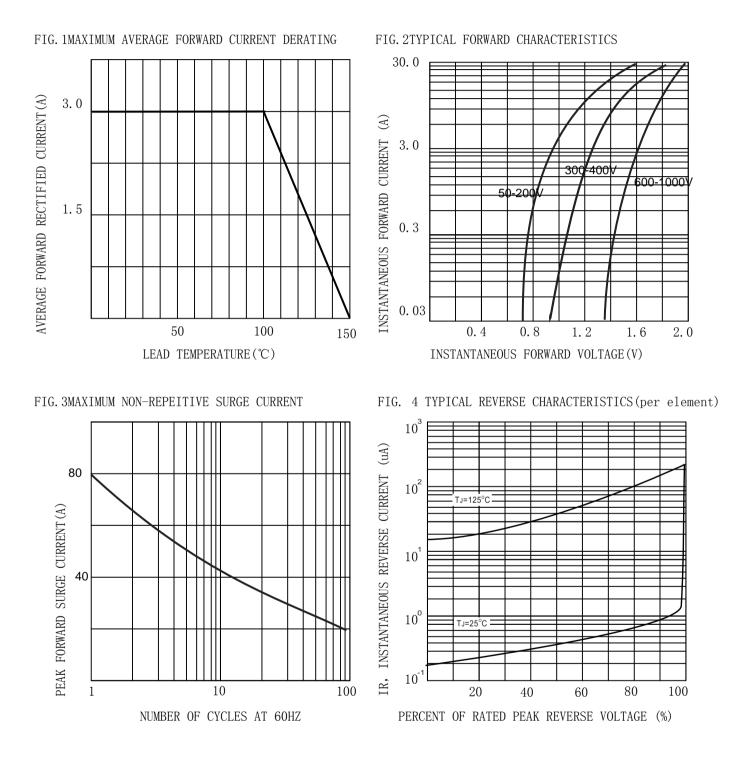
Package: DO-27 Terminals:Tin Plated leads, solderable per Mil-STD-750 Method 2026 Polarity: As marked Molding compound meets UL 94 V-0 flammability rating, ROHS-compliant

Maximum Ratings (Ta=25℃ Unless otherwise specified)

Type Number	SYMBOL	HER307	Umit	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	800	V	
Maximum RMS Voltage	V _{RMS}	560	V	
Maximum DC Blocking Voltage	V _{DC}	800	V	
Maximum Average Forward Rectified Current	IO _(AV)	3.0	А	
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM	80.0	A	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25 $^\circ C$		160.0	A	
Current squared time @1ms≤t8.3≤ms Tj=25℃,Rating of per diode	l ² t	26.6	A ² S	
Maximum Forward Voltage at 3.0A DC	V _{FM}	1.70	V	
Maximum Reverse Current TA = 25°	ID	5.0		
at Rated DC Blocking Voltage TA = 125° C	IR IR	100.0	uA	
Maximum reverse recovery time	Trr	75	ns	
Typical Thermal Resistance Between junction and	R _{QJa}	40.0	°C/W	
Operating Junction Temperature Range	TJ	55to+150	°C	
Storage Temperature Range	T _{STG}		°C	









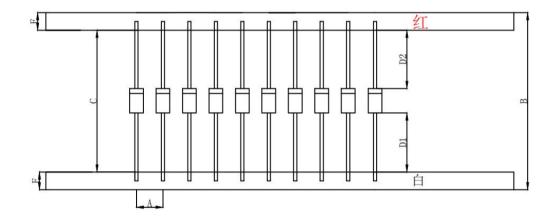
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MARKING INFORMATION



Print according to customer request

PACKING REQUIRMENTS



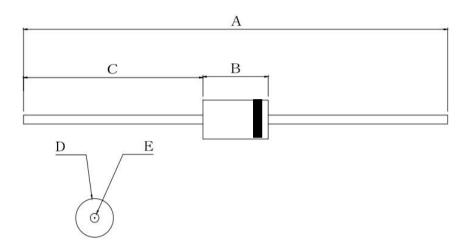
Specificati ons	А	В	С	D1-D2	E
DO-27/MM	10± 0.5	65±2.5	52.4±0.5	1.0MAX	6.0±0.4

DEVICE	BOX/CAR	Q'TY/CAS	
TYPE	TOON	E (pcs)	
DO-27	1250	12500	



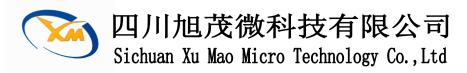
Outline Dimensions

DO-27



D0-27					
DIM	INC HES		MM		
	MIN	MAX	MIN	MAX	
А	2.23	2.35	56.70	59.70	
В	0.34	0.38	8.70	9.70	
С	0.94	0.98	24.00	25.00	
D	0.19	0.22	4.90	5.50	
E	0.04	0.05	1.10	1.30	

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