HVA Series

3KV, 5KV High Temperature, High Voltage Diodes





Features

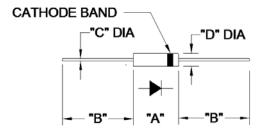
- High temperature operation to 175°C
- Avalanche Energy rated
- Molded plastic body, ANSI/UL94 V-0 rated material
- Glass passivated.
- RoHS compliant to Directive 2011/65/EC, Article 4(1), Annex II, Annex III, 7(a) and EU RoHS Directive (EU) 2015/863 of March 2015, Amending Annex II.



DEVICE ELECTRICAL CHARACTERISTICS

(25°C ambient temperature unless stated otherwise)	Conditions	Symbol	HVA3K	HVA5K	
Maximum Repetitive Peak Reverse Voltage	-	V_{RRM}	3,000 Volts	5,000 Volts	
Average Forward Current Maximum	$T_A = 55^{\circ}C$	I _{FAVM}	800mA	500mA	
Typical Avalanche Voltage	$I_R = 10\mu A$	V _z	4,500 Volts	7,500 Volts	
Maximum Forward Voltage Drop	$I_F = I_{FAVM}$	V_{F}	3.2 Volts	5 Volts	
Maximum Surge Current Rating	8.3msec, half sine	I _{FSM}	30 Amps		
Maximum Reverse Current	at rated V _{RRM}	I_R	0.5 μΑ		
Typical Avalanche Energy Withstand	$T_A = 140^{\circ}C$	E _{RSM}	15mJ	35mJ	
Maximum Junction Temperature	-	T _J	175°C		
Storage Temperature Range	-	T _{STG}	-55°C to 175°C		

		win.		wax.	
MECHANICAL DATA	Symbol	in	mm	in	mm
Body Length	Α	-	-	0.20	5.1
Body Diameter	D	-	-	0.12	3.1
Lead Length	В	1.00	25.4	-	-
Lead Diameter	С	-	-	0.032	0.81



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