HVEF12P



 $12~kV,\,20~mA$ Miniature High Voltage Diodes

Features

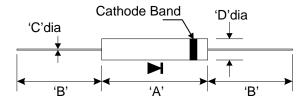
- Ultra fast reverse recovery time for high efficiency
- Molded plastic body, ANSI/UL94 V-0 rated material
- RoHS compliant to Directive 2011/65/EC, Article 4(1), Annex II; Annex III, 7(a)



Device Electrical Characteristics

(25°C ambient temperature unless stated otherwise)	Conditions	Symbol	Value
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	12000 Volts
Average Forward Current Maximum	$T_A = 55^{\circ}C$	I _{FAVM}	20 mA
Maximum Forward Voltage Drop	$I_F = 20 \text{mA}$	$V_{\rm F}$	27 Volts
Maximum Surge Current Rating	8.3msec, half sine	I _{FSM}	3 Amps
Maximum Reverse Current	at rated V _{RRM}	I_R	0.2 μΑ
Typical Junction Capacitance	$f = 1 \text{ MHz}$, $V_R = 0 V_{DC}$	C_{J}	0.25 pF
Maximum Reverse Recovery Time	I_F =12mA, I_R = 30mA, I_{RR} = 6mA	T_{RR}	20 ηsec
Maximum Junction Temperature	-	T_{J}	150°C
Storage Temperature Range	-	T _{STG}	-40°C to 150°C

		Min.		Max.	
Mechanical Data	Symbol	in.	mm	in.	mm
Body Length	A	-	-	0.4	10.2
Body Diameter	D	-	-	0.1	2.5
Lead Length	В	1.0	25.4	-	-
Lead Diameter	С	-	-	0.021	0.5



VERSION: 4.0

EFFECTIVE: AUGUST 25, 2014