

UFHVR110

MINIATURE HIGH VOLTAGE GLASS PASSIVATED FAST RECTIFIER DIODE

PRV : 10,000 Volts

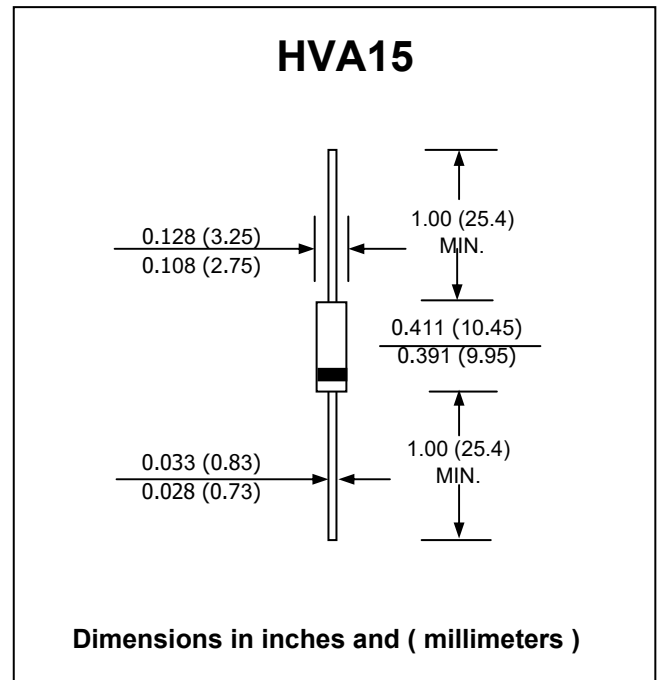
I_o : 0.005 Ampere

FEATURES :

- * Glass passivated junction chip
- * High surge current capability
- * High reliability
- * Low reverse current
- * Low forward voltage drop
- * Fast switching for high efficiency
- * **Pb / RoHS Free**

MECHANICAL DATA :

- * Case : HVA15 Molded plastic
- * Epoxy : UL94V-0 rate flame retardant
- * Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- * Polarity : Color band denotes cathode end
- * Mounting position : Any
- * Weight : N/A



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.

RATING	SYMBOL	VALUE	UNIT
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	10000	V
Maximum DC Blocking Voltage	V _{DC}	10000	V
Maximum DC output Current, Ta = 55°C Current, 0.375"(9.5mm) LEAD LENGTH	I _o	5	mA
Maximum Peak Forward Surge Current 8.3ms Single half sine wave Superimposed on rated load (JEDEC Method)	I _{FSM}	0.5	A
Maximum Instantaneous Forward Voltage at I _F = 5 mA	V _F	36	V
Maximum DC Reverse Current Ta = 25°C at Rated DC Blocking Voltage	I _R	5	μA
Maximum Reverse Recovery Time (Note 1)	T _{rr}	100	ns
Junction Temperature Range	T _J	- 65 to + 150	°C
Storage Temperature Range	T _{STG}	- 65 to + 150	°C

Note : (1) Reverse Recovery Test Conditions : I_F = 2 mA, I_R = 4 mA, I_{rr} = 1 mA.