

HURO80-Q

PRV : 8000 Volts

Io : 150 mA

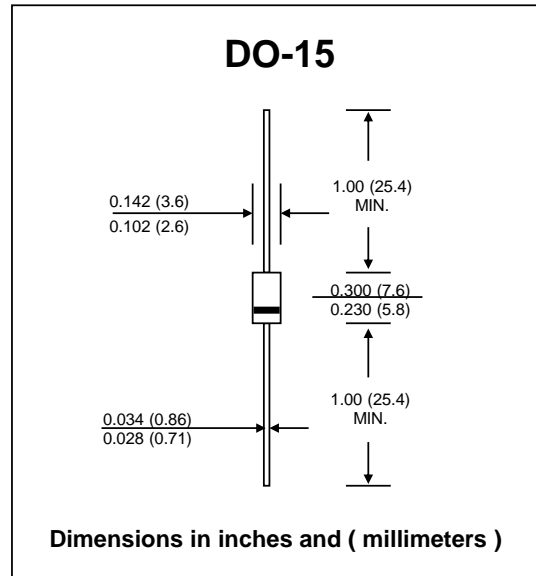
FEATURES :

- * AEC-Q101 Qualified
- * Glass Passivated Junction Chip
- * High current capability
- * High surge current capability
- * High reliability
- * Low reverse current
- * Low forward voltage drop
- * **Pb / RoHS Free**

MECHANICAL DATA :

- * Case : DO-15 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 : 0.4 gram

HIGH VOLTAGE ULTRA FAST RECOVERY RECTIFIER



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

RATING	SYMBOL	VALUE	UNIT
Maximum Repetitive Peak Reverse Voltage	VRRM	8000	V
Maximum RMS Voltage	V _{RMS}	5600	V
Maximum DC Blocking Voltage	V _{DC}	8000	V
Maximum Average Forward Current Ta = 50°C	IF(AV)	150	mA
Maximum Non-repetitive Peak Forward Surge Current , 50 Hz Sine half-wave Tj = 50°C	IFSM	20	A
Maximum Forward Voltage at IF = 150 mA	VF	12	V
Maximum Reverse Current at VR = 6.4 kV	IR	10	μA
Typical Reverse Recovery Time (Note 1)	Trr	0.3	μs
Junction Temperature	TJ	- 30 to + 150	°C
Storage Temperature Range	TSTG	- 30 to + 150	°C

Notes :

- (1) Reverse Recovery Test Conditions : IF = 100 mA, IR = 100 mA.