

RL2Z

ULTRA FAST RECTIFIER DIODE

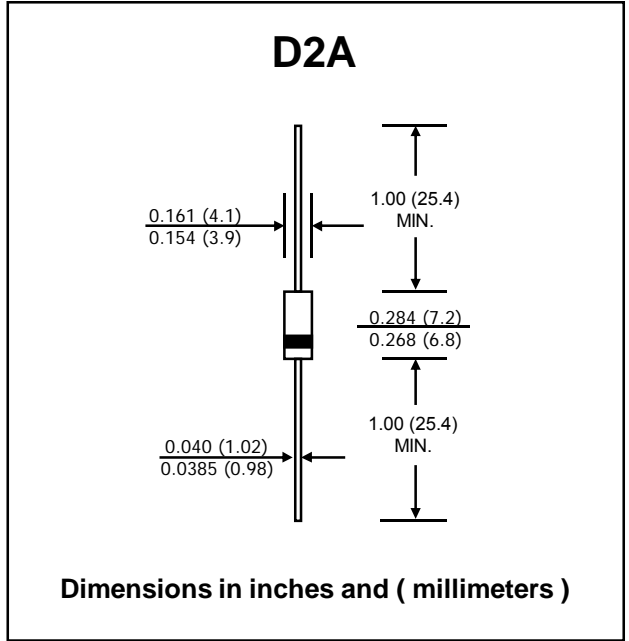
PRV : 200 Volts
Io : 2.0 Amperes

FEATURES :

- * Glass passivated junction chip
- * Fast switching for high efficiency
- * Low forward voltage drop
- * Low leakage current
- * **Pb / RoHS Free**

MECHANICAL DATA :

- * Case : D2A Molded plastic
- * Epoxy : UL94V-O rate flame retardant
- * Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- * Polarity : Color band denotes cathode end
- * Mounting position : Any
- * Weight : 0.645 gram



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (Ta = 25 °C unless otherwise noted)

RATINGS	SYMBOL	VALUE	UNIT
Maximum repetitive peak reverse voltage	V _{RRM}	200	V
Maximum DC blocking voltage	V _R	200	V
Maximum average forward current	I _{F(AV)}	2.0	A
Peak forward surge current, 8.3ms Single half sine wave Superimposed on rated load	I _{FSM}	30	A
Maximum instantaneous forward voltage at I _F = 2.0 A	V _F	0.98	V
Maximum Reverse Current at V _R = V _{RM} Ta = 25 °C	I _R	100	μA
Maximum Reverse Current at V _R = V _{RM} Ta = 100 °C	I _{R(H)}	0.5	mA
Maximum reverse recovery Time ⁽¹⁾	T _{rr}	50	ns
Maximum thermal resistance Junction to case	R _{θJC}	12	°C/W
Maximum thermal resistance Junction to lead	R _{θJL}	12	°C/W
Operating junction and Storage temperature range	T _J , T _{STG}	- 40 to + 150	°C

Notes :

(1) Reverse Recovery Test Conditions : I_F = 100 mA, I_{RP} = 100 mA.