

RD2A

PRV : 600 Volts

Io : 1.2 Amperes

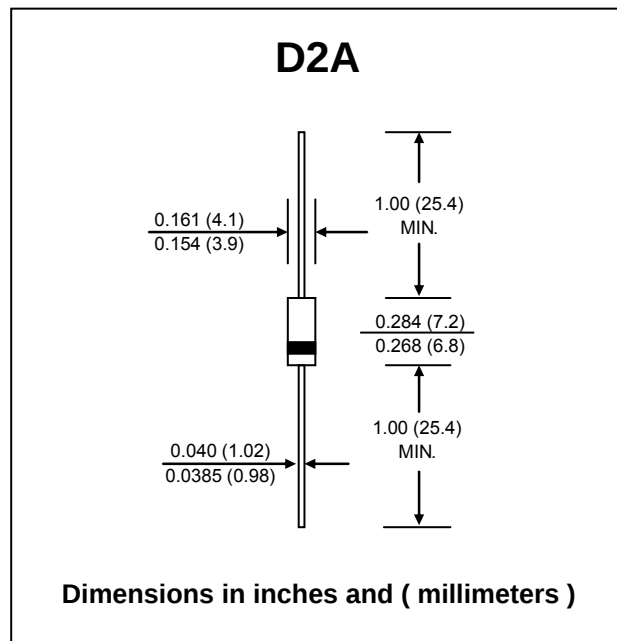
FEATURES :

- * 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

ULTRA FAST RECTIFIER DIODE



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

RATINGS	SYMBOL	VALUE	UNIT
Maximum repetitive peak reverse voltage	V_{RRM}	600	V
Maximum DC blocking voltage	V_R	600	V
Maximum average forward current	$I_{F(AV)}$	1.2	A
Peak forward surge current, 8.3ms Single half sine wave Superimposed on rated load	I_{FSM}	30	A
Maximum instantaneous forward voltage at $I_F = 1.2$ A	V_F	1.55	V
Maximum DC reverse current $T_a = 25\text{ }^{\circ}\text{C}$	I_R	50	μA
at Rated DC blocking voltage $T_a = 150\text{ }^{\circ}\text{C}$	$I_{R(H)}$	0.1	mA
Maximum reverse recovery Time ⁽¹⁾	T_{rr}	50	ns
Maximum thermal resistance Junction to case	$R_{\theta JC}$	12	$^{\circ}\text{C/W}$
Maximum thermal resistance Junction to lead	$R_{\theta JL}$	12	$^{\circ}\text{C/W}$
Operating junction and Storage temperature range	T_J, T_{STG}	- 40 to + 150	$^{\circ}\text{C}$

Notes :

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