

2EZ220D10 - 2EZ330D10

SILICON ZENER DIODES

V_Z : 220 - 330 Volts

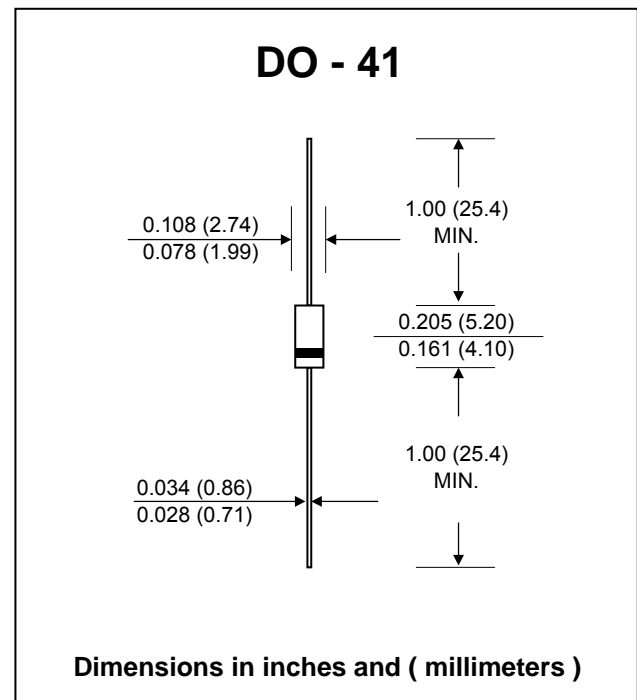
P_D : 2 Watts

FEATURES :

- * Complete Voltage Range 220 to 330 Volts
- * High peak reverse power dissipation
- * High reliability
- * Low leakage current
- * $\pm 10\%$ tolerance
- * **Pb / RoHS Free**

MECHANICAL DATA

- * Case : DO-41 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 : 0.339 gram



MAXIMUM RATINGS (Rating at 25 °C ambient temperature unless otherwise specified)

Rating	Symbol	Value	Unit
DC Power Dissipation at $T_L = 75\text{ }^\circ\text{C}$ (Note1)	P_D	2.0	W
Maximum Forward Voltage at $I_F = 200\text{ mA}$	V_F	2.0	V
Junction Temperature Range	T_J	- 55 to + 175	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	- 55 to + 175	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS (Rating at 25 °C ambient temperature unless otherwise specified)

Type No.	Nominal Zener Voltage		Maximum Zener Impedance			Maximum Reverse Leakage Current		Maximum DC Zener Current
	$V_Z @ I_{ZT}$	I_{ZT}	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$	I_{ZK}	$I_R @ V_R$	I_{ZM}	
	(V)	(mA)	(Ω)	(Ω)	(mA)	(μA) (V)	(mA)	
2EZ220D10	220	2.0	2000	8500	0.25	0.5 167	8.0	
2EZ270D10	270	1.6	2200	8500	0.25	0.5 205	6.7	
2EZ300D10	300	1.5	2200	9000	0.25	0.5 228	5.9	
2EZ330D10	330	1.4	2300	9000	0.25	0.5 250	5.4	

Notes :

- (1) T_L = Lead temperature at 3/8 " (9.5mm) from body.
- (2) Suffix " 10 " indicates $\pm 10\%$ tolerance, suffix " 5 " indicates $\pm 5\%$ tolerance.
- (3) " EZ " will be omitted in marking on the diode.