

2EZ220D5 - 2EZ330D5

V_Z : 220 - 330 Volts

P_D : 2 Watts

FEATURES :

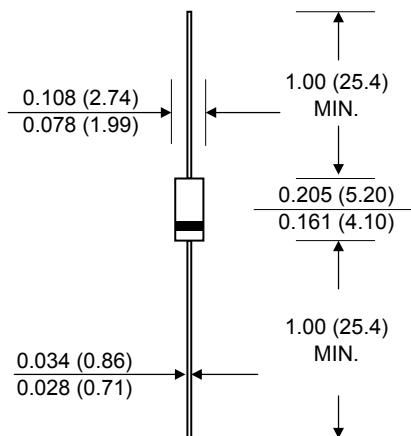
- * Complete Voltage Range 220 to 330 Volts
- * High peak reverse power dissipation
- * High reliability
- * Low leakage current
- * ± 5% tolerance
- * **Pb / RoHS Free**

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

SILICON ZENER DIODES

DO - 41



Dimensions in inches and (millimeters)

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

Rating	Symbol	Value	Unit
DC Power Dissipation at T _L = 75 °C (Note1)	P _D	2.0	W
Maximum Forward Voltage at I _F = 200 mA	V _F	2.0	V
Junction Temperature Range	T _J	- 55 to + 175	°C
Storage Temperature Range	T _{STG}	- 55 to + 175	°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)
2EZ220D5	220	2.0	2000	8500	0.25	0.5	167	8.0
2EZ270D5	270	1.6	2200	8500	0.25	0.5	205	6.7
2EZ300D5	300	1.5	2200	9000	0.25	0.5	228	5.9
2EZ330D5	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 " 5 " indicates ± 5% tolerance, suffix " 10 " indicates ±10% tolerance.
- (3) " EZ " will be omitted in marking on the diode.