

# 2EZ220D10 - 2EZ330D10

# SILICON ZENER DIODES

**$V_Z$  : 220 - 330 Volts**

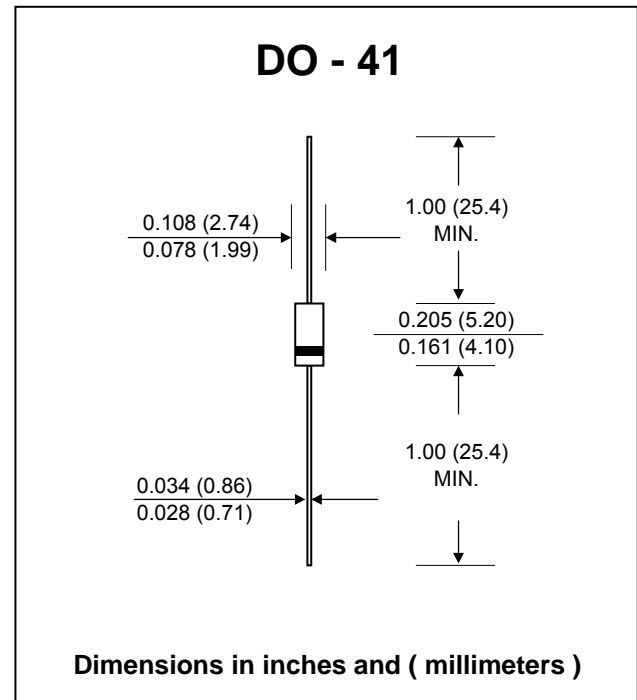
**$P_D$  : 2 Watts**

## 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)	( $\Omega$ )	( $\Omega$ )	(mA)	( $\mu\text{A}$ ) (V)	(mA)	
<b>2EZ220D10</b>	220	2.0	2000	8500	0.25	0.5 167	8.0	
<b>2EZ270D10</b>	270	1.6	2200	8500	0.25	0.5 205	6.7	
<b>2EZ300D10</b>	300	1.5	2200	9000	0.25	0.5 228	5.9	
<b>2EZ330D10</b>	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.