

Z1220A ~ Z1380A

SILICON ZENER DIODES

V_Z : 220 - 380 Volts

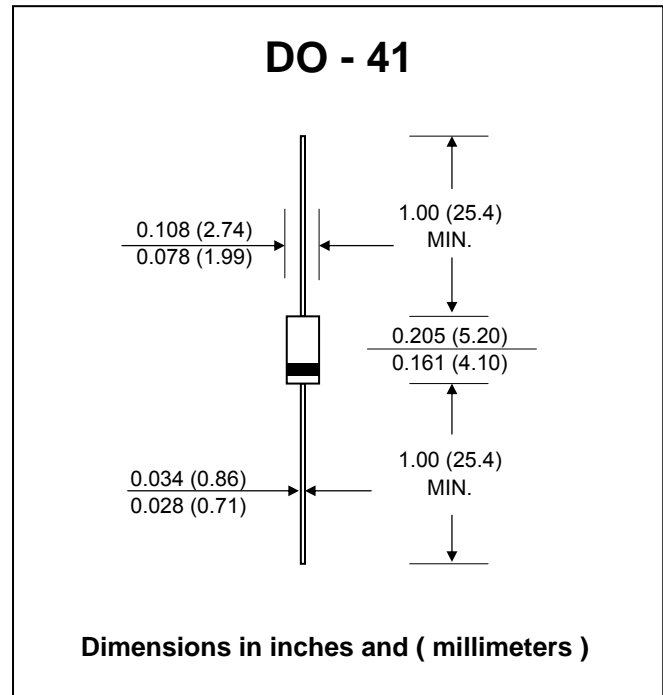
P_D : 1 Watt

FEATURES :

- * Complete voltage range 220 to 380 Volts
- * High peak reverse power dissipation
- * High reliability
- * Low leakage current
- * 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 : 0.335 gram



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

| Rating | Symbol | Value | Unit |
|------------------------------------------------------------|------------------|---------------|-------|
| DC Power Dissipation at T _L = 50 °C (Note1) | P _D | 1.0 | W |
| Maximum Forward Voltage at I _F = 200 mA | V _F | 2.0 | V |
| Maximum Thermal Resistance Junction to Ambient Air (Note2) | R _{θJA} | 170 | K / W |
| 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. (Note 3) | Nominal Zener Voltage | | Maximum Zener Impedance | | | Maximum Reverse Leakage Current | | Maximum DC Zener Current | Maximum Surge Current |
|----------------------|-----------------------------------------|-------------------------|------------------------------------------|------------------------------------------|-------------------------|-----------------------------------------|-----------------------|--------------------------|------------------------------------------|
| | V _Z @ I _{ZT} (V) | I _{ZT} (mA) | Z _{ZT} @ I _{ZT} (Ω) | Z _{ZK} @ I _{ZK} (Ω) | I _{ZK} (mA) | I _R @ V _R (μA) | V _R (V) | I _{ZM} (mA) | I _{RM} ⁽⁴⁾ (mApk) |
| Z1220A | 220 | 1.00 | 1600 | 8000 | 0.25 | 5.0 | 167.2 | 4.0 | 20 |
| Z1240A | 240 | 0.93 | 1800 | 8500 | 0.25 | 5.0 | 182.4 | 3.8 | 19 |
| Z1250A | 250 | 0.90 | 2000 | 9000 | 0.25 | 5.0 | 190 | 3.6 | 18 |
| Z1270A | 270 | 0.82 | 2100 | 9000 | 0.25 | 5.0 | 205 | 3.3 | 16 |
| Z1300A | 300 | 0.75 | 2300 | 9500 | 0.25 | 5.0 | 228 | 3.0 | 15 |
| Z1330A | 330 | 0.70 | 2500 | 9500 | 0.25 | 5.0 | 250 | 2.8 | 13 |
| Z1380A | 380 | 0.60 | 2700 | 9500 | 0.25 | 5.0 | 288 | 2.4 | 12 |

Notes :

- (1) T_L = Lead temperature at 3/8 " (9.5mm) from body
- (2) Valid provided that leads are kept at ambient temperature at a distance of 10 mm from case.
- (3) The type number listed have a standard tolerance on the nominal zener voltage of ± 5%.
No suffix indicates ± 10% tolerance, suffix "C" indicates ± 2% tolerance.
- (4) The reverse surge current is a non-repetitive, 8.3ms pulse width square wave or equivalent sine-wave superimposed on I_{ZT} per JEDEC Method

单击下面可查看定价，库存，交付和生命周期等信息

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