Z1150AM & Z1180AM

SILICON ZENER DIODES

V_Z : 150 & 180 Volts
P_D : 1.0 Watts

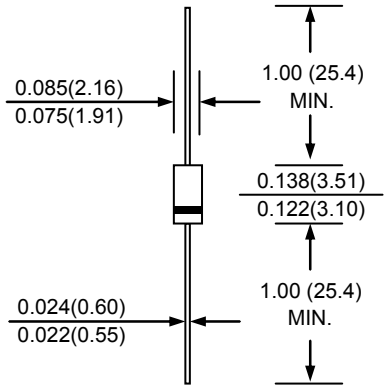
FEATURES :

* Glass passivated chip
* High peak reverse power dissipation
* High reliability
* Low leakage current
* Pb / RoHS Free

MECHANICAL DATA :

* Case : M1A 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 : 0.20 gram (approximately)

M1A



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 (1)	P_D	1.0	W
Maximum Forward Voltage at I_F = 200 mA	V_F	1.2	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.	Nominal Zener Voltage (2)	Test Current	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)
Z1150AM	150	1.7	1000	6000	0.25	5.0	114.0	6.4
Z1180AM	180	1.4	1200	7000	0.25	5.0	136.8	5.2

Notes :

(1) T_L = Lead temperature at 3/8 " (9.5mm) from body.

(2) The type number listed have a standard tolerance on the nominal zener voltage of ± 5%.