

# MRD27FB1

**V<sub>Z</sub> : 27 Volts**

**P<sub>D</sub> : 1 Watt**

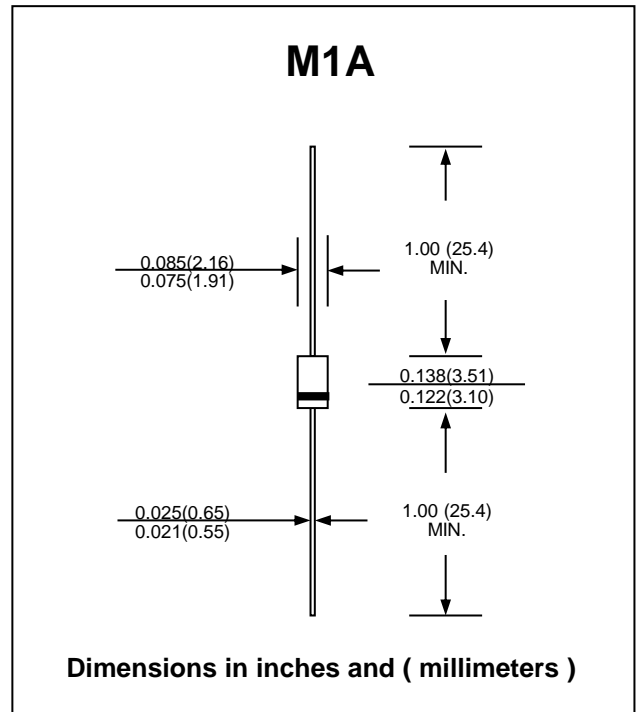
**FEATURES :**

- \* Complete 27 Volts
- \* High peak reverse power dissipation
- \* High reliability
- \* Low leakage current
- \* Pb / RoHS Free

**MECHANICAL DATA**

- \* Case : M1A Molded plastic
- \* Epoxy : UL94V-0 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)

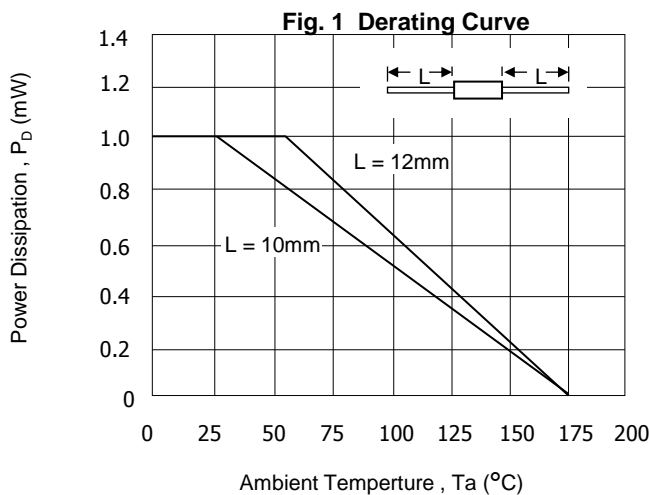
# ZENER DIODES



**MAXIMUM RATINGS**

Rating at 25 °C ambient temperature unless otherwise specified

Rating	Symbol	Value	Unit
Power Dissipation , See Fig. 1	P <sub>D</sub>	1.0	W
Forward Current	I <sub>F</sub>	200	mA
Junction Temperature	T <sub>j</sub>	175	°C
Storage Temperature Range	T <sub>stg</sub>	- 65 to + 175	°C



## ELECTRICAL CHARACTERISTICS (Ta = 25 °C)

Type Number	Suffix	Zener Voltage $V_z$ (V) <sup>(1)</sup>			Dynamic Impedance $Z_z$ ( $\Omega$ ) <sup>(2)</sup>		Reverse Current $I_R$ ( $\mu$ A)	
		Min.	Max.	$I_z$ (mA)	Max.	$I_z$ (mA)	Max.	$V_R$ (V)
MRD27F	B1	24.63	26.10	10	16	10	10	21

**Notes:**

- (1) Test with pulse (40 ms).
- (2)  $Z_z$  is measured at  $I_z$  given an very small A.C. Current Signal.