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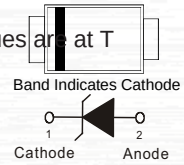
MMSZ5V6CF / MMSZ18VCF / MMSZ20VCF / MMSZ28VCF / MMSZ36VCF
1 W Zeners

Features

- Zener Diode with 5% Toleranceabsolute maximum ratings are stress ratings only. Values are at T

SOD-123F



Part Number	Top Mark	Package	Packing Method
MMSZ5V6CF	5G	SOD-123F	Tape and Reel
MMSZ18VCF	18	SOD-123F	Tape and Reel
MMSZ20VCF	20	SOD-123F	Tape and Reel
MMSZ28VCF	28	SOD-123F	Tape and Reel
MMSZ36VCF	36	SOD-123F	Tape and Reel

$_A$ = 25°C unless otherwise noted.

Symbol	Parameter		Value	Units
P_D	Power Dissipation	T_L = 80°C	2.3	W
		T_A = 25°C	1	
T_J	Maximum Junction Temperature		+150	C
T_{STG}	Storage Temperature Range		-55 to +150	C

Note:

1. T_J = 25°C prior to surge

Thermal Characteristic

Symbol	Parameter	Value	Units
R_{JA}	Thermal Resistance, Junction-to-Ambient(2)	125	C/W
$_{JL}$	Thermal Characteristic Parameter, Junction-to-Lead(2)(3)	26	C/W

Note:

2. Per JESD51-3 recommended thermal test board. Device mounted on FR-4 PCB, board size = 76.2 mm x 114.3 mm.

3. Thermocouple soldered at cathode lead.

Electrical Characteristics

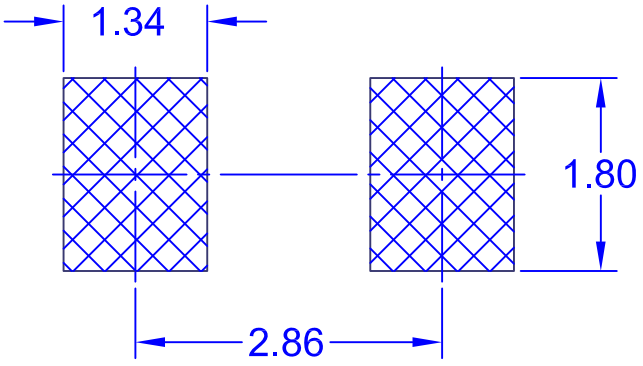
Values are at T_A = 25°C unless otherwise noted.

Device	V_Z (V) @ I_{ZT}(mA)	Z_{ZT}( ) @ I_{ZT}(mA)	Z_{ZK}( ) @ I_{ZK}(mA)	I_R(

Typical Performance Characteristics

Figure 1. Leakage Current vs. Reverse Voltage for MMSZ5V6CF

Figure 2. Leakage Current vs. Reverse Voltage for MMSZ18VCF,MMSZ20VCF, MMSZ28VCF and MMSZ36VCF



TOP VIEW

FRONT VIEW

SIDE V