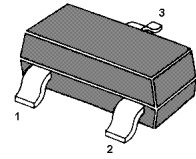
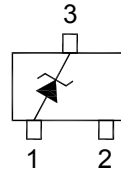


MMLR...Series-HAF

Silicon Planar Zener Diodes

Features

- Zener breakdown voltage
- Package designed for optimal automated board assembly
- Small package size for high density applications
- Halogen and Antimony Free(HAF), RoHS compliant



1. Anode 3. Cathode
SOT-23 Plastic Package

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Power Dissipation	P_D	350	mW
Thermal Resistance, Junction to Ambient ¹⁾	$R_{\theta JA}$	357	$^\circ\text{C/W}$
Junction and Storage Temperature Range	T_J, T_{stg}	- 65 to + 150	$^\circ\text{C}$

¹⁾ Alumina = 0.4 x 0.3 x 0.024 in, 99.5% alumina

Electrical Characteristics ($T_a = 25^\circ\text{C}$ unless otherwise noted, $V_F < 0.9\text{ V}$ at $I_F = 10\text{ mA}$)

Type	Marking Code	Zener Voltage Range ¹⁾				Dynamic Impedance		Reverse Current	
		V_{ZT}			at I_{ZT}	Z_{ZT}	at I_{ZT}	I_R	at V_R
		Nom. (V)	Min. (V)	Max. (V)	(mA)	Max. (Ω)	(mA)	Max. (μA)	(V)
MMLR3Z3	F8	3.3	3.1	3.5	5	95	5	1	1
								20	1.5
								150	2
								900	2.5
MMLR3Z6	H8	3.6	3.4	3.8	5	90	5	0.5	1
								10	1.5
								70	2
								400	2.5
MMLR3Z9	J8	3.9	3.7	4.1	5	90	5	2	1
								40	2
								200	2.5
								700	3
MMLR5Z1	N8	5.1	4.8	5.4	5	60	5	0.3	3
								6	4
								40	4.5
								450	5
MMLR5Z6	P8	5.6	5.2	6	5	40	5	0.1	3.5
								0.5	4
								1	4.5
								5	5

¹⁾ Tested with pulses $t_p = 20\text{ ms}$.

TOP DYNAMIC



Dated: 07/04/2016 SL Rev: 02