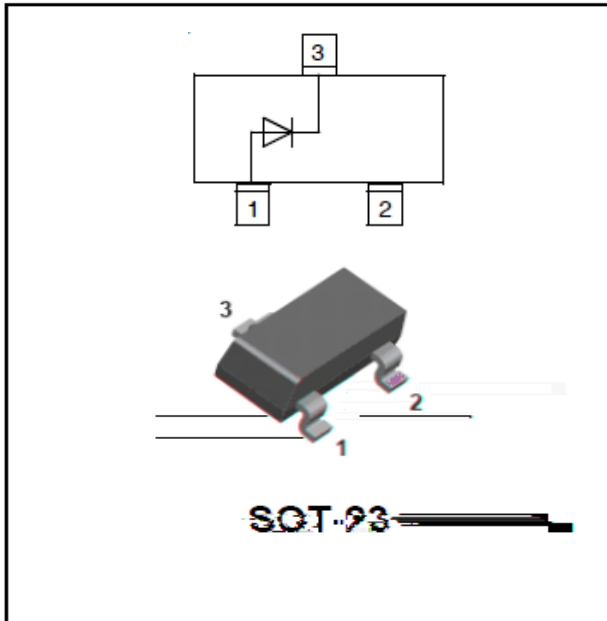




- Epoxy meets UL-94 V-0 flammability rating
- Moisure Sensitivity Level 1
- High Conductance
- Surface mount package ideally Suited for Automatic Insertion

- : SOT-23
- Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free
- Tin plated leads, solderable per J-STD-002 and JESD22-B102
- : KA2

■ (T_a=25 Unless otherwise specified)

Peak Repetitive Reverse Voltage	V _{RRM}	V	100
Reverse Voltage	V _R	V	100
Forward Continuous Current, Per Leg	I _F	mA	200
Non-Repetitive Peak Forward Surge Current @ t=8.3ms, half sine-wave	I _{FSM}	A	2
Power Dissipation	P _D	mW	350
Thermal Resistance Junction to Ambient Air	R _{θJA}	/W	357
Operation Junction Temperature	T _J		-55 to +150
Storage Temperature	T _{STG}		-55 to +150

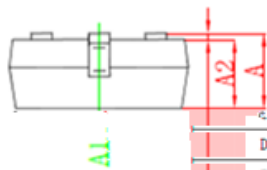
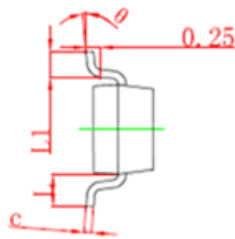
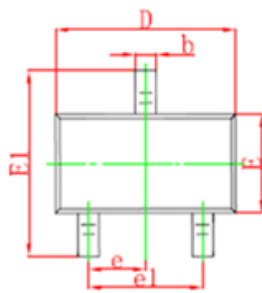
■ (Example)

MMBD4148	F2	Approximate 0.008	3000	30000	120000	7" reel
MMBD4148	F4	Approximate 0.008	10000	/	210000	13" reel

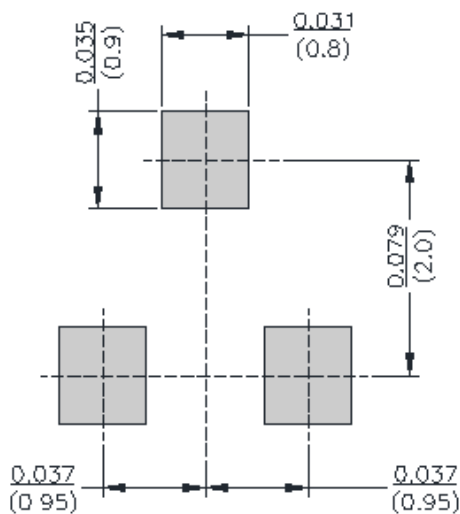


■ $T_a=25$ Unless otherwise specified, Per Leg

Reverse Voltage	V_R	V	$I_R=100\mu A$	100	
Maximum Instantaneous Forward Voltage	V_F	V	$I_F=10mA, T_a=25$		0.855
			$I_F=100mA, T_a=25$		1.2
Maximum DC Reverse Current	I_R	nA	$V_R=20V$		25
		μA	$V_R=75V$		5



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.150	0.035	0.045
A1	0.000	0.100	0.000	0.004
A2	0.900	1.050	0.035	0.041
b	0.300	0.500	0.012	0.020
c	0.500	0.500	0.019	0.019
D	2.800	3.000	0.110	0.118
E	1.200	1.400	0.047	0.055
E1	2.250	2.550	0.089	0.100
e	0.950TYP		0.037TYP	
e1	1.800	2.000	0.071	0.079
L	0.550REF		0.022REF	
L1	0.380	0.500	0.015	0.020
θ	0°		0°	





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