

GOOD-ARK Electronics

SOT-23 Plastic-Encapsulate Switching Diode

Features

• 4.0nS; Fast Switching Device (TRR <4.0 nS)

• 350mW; Power Dissipation of 350mW

• High Stability and High Reliability

• Low reverse leakage





Marking:

MARKING:5H

SOT-23

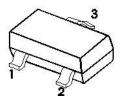
Mechanical Data

• SOT-23 Small Outline Plastic Package

• Epoxy UL: 94V-0

Mounting Position: Any

Pin definition



MMBD4148A	MMBD4148CA	MMBD4148CC	MMBD4148SE
1⊶	1 ○ ★	1 0→	1.
- 3	3	3	- 3
0	0 14	2 27	0 14

MARKING:D6

Epuivalent circuit

MARKING:D4

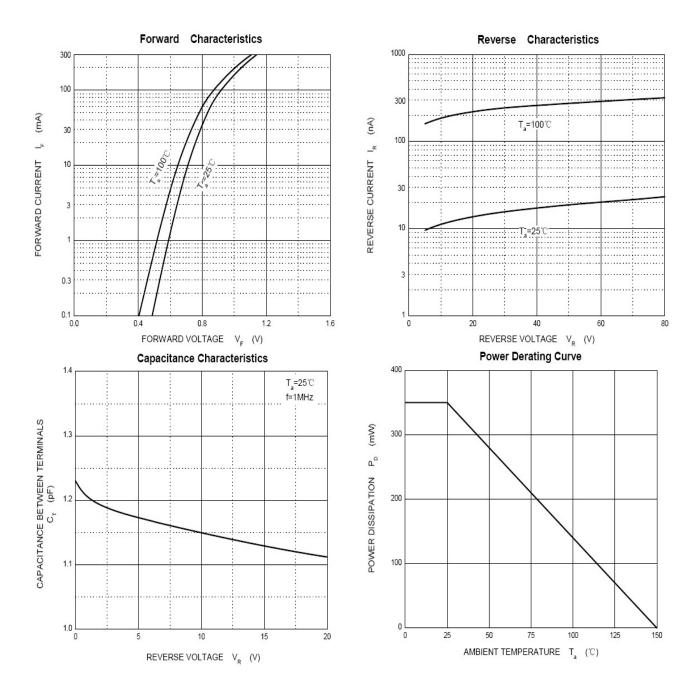
Maximum Ratings & Electrical Characteristics(TA=25°C unless otherwise noted)					
Parameter	Symbol	Value	Unit		
Reverse Voltage	V_R	75	V		
Peak Repetitive Reverse Voltage	V_{RRM}	100	V		
Power Dissipation	P _D	350	mW		
Average Rectified Current	Io	200	mA		
Peak Forward Surge Current@tp=1us; TA=25℃	I _{FSM}	2.0	Α		
Operating junction temperature range	TJ	150	°C		
Storage temperature range	T _{STG}	-55 to +150	°C		
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	357	°C/W		

Valid provided that electrodes are kept at ambient temperature.

Electrical Specifications(TA=25°C unless otherwise noted)							
Parameter	Symbol	Test Conditions	Limits		Unit		
r ai ailletei			Min	Max			
Reverse Voltage	V(BR)	IR=100uA	75		V		
Forward Voltage	V _F	IF=10mA		1.00	V		
Doverse Leekage Current	I _R	VR=75V		5.0	uA		
Reverse Leakage Current		VR=25V		25	nA		
Typical junction capacitance	CJ	VR=0V, f=1MHZ		4	pF		
Typical reverse recovery time	Trr	IF=IR=1.0mA RL=100Ω IRR=0.1 X IR		4	nS		

Ratings and Characteristics Curves

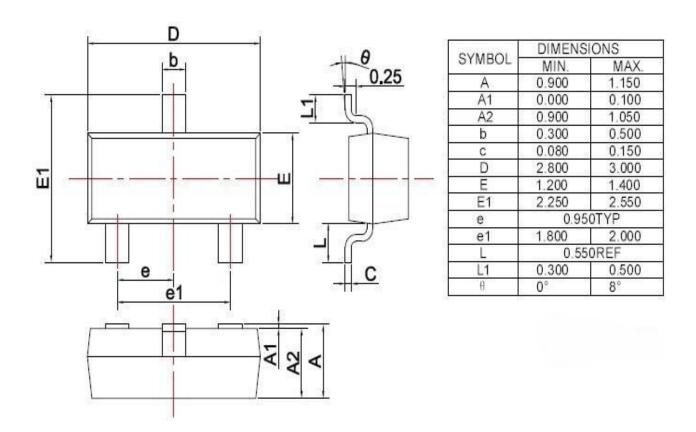
(TA = 25°C unless otherwise noted)





Package Outline Dimensions

millimeters



Revision History

Document Version	Date of release	Description of changes
Rev.A	2017.07.11	First issue

MMBD4148A-CA-CC-SE

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