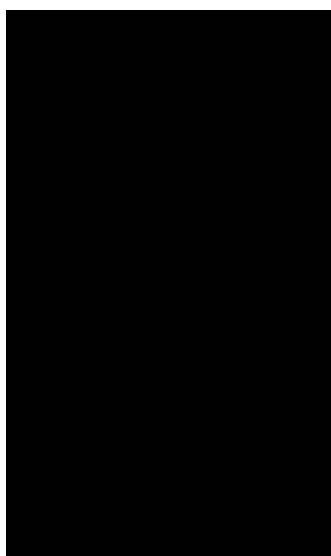




Dual Switching Diode



Features

Moisture sensitivity level 1
Reverse voltage 100V
Average forward current 200mA

Application

Signal switching
High frequency rectifier

Mechanical data

Package SOT-23
Terminals Tin plated leads, solderable per
J-STD-002 and JESD22-B102

■ Maximum Ratings (T_a=25 Unless otherwise specified)

Parameter	Symbol	Unit	Value
Device marking code			D5
Repetitive peak reverse voltage	V _{RRM}	V	100
Forward current, per leg	I _F	mA	200
Non-repetitive Surge peak forward current @ t=8.3ms half-sine wave	I _{FSM}	A	2
Non-repetitive Surge peak forward current @ t=1ms square wave			2
Power dissipation	P _D	mW	350
Junction temperature	T _J		Junction temperature



MMBD4148CC

RoHS
COMPLIANT

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Parameter	Symbol	Unit	Conditions	Min	Typ	Max
Reverse voltage	V_R	V	$I_R=100\mu A$	100		
Forward voltage	V_F	V	$I_F=10mA$			1
Reverse leakage current	I_R	μA	$V_R=20V$			0.025
			$V_R=75V$			5.0
Junction capacitance	C_j	pF	$V_R=0V, f=1MHz$			4
Reverse recovery time	T_{rr}	ns	$I_F=I_R=10mA$ $V_R=6V, I_{rr}=0.1 \cdot I_R$	0^3		4 0^3



■ Characteristics

Fig 1 P_D-T_a Curve

Fig 2 Capacitance Capability

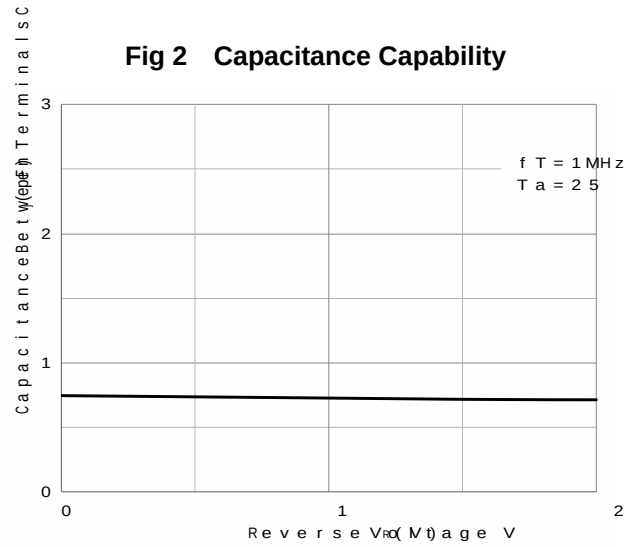
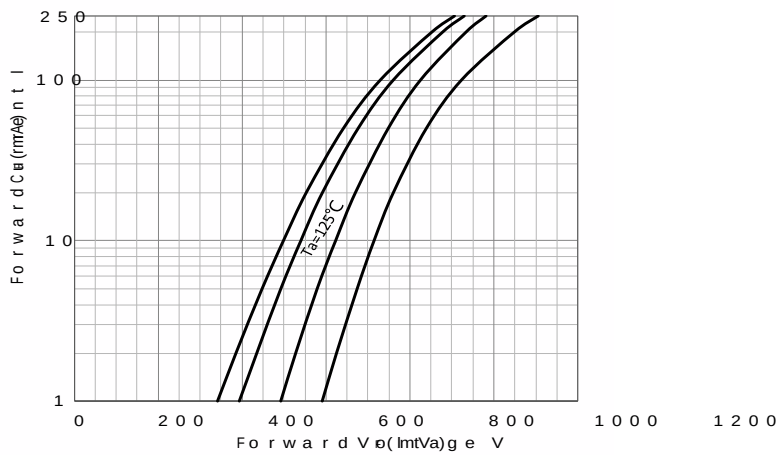


Fig 3 Typical Forward Characteristics

Fig 4 Typical Reverse Characteristics





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