

**Application**

Signal switching
High frequency rectifier

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		-55 to +150 /



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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	uA	$V_R=20V$			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

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Characteristics

Fig 1 Pb-Ta Curve

Fig 2 Capacitance Capability

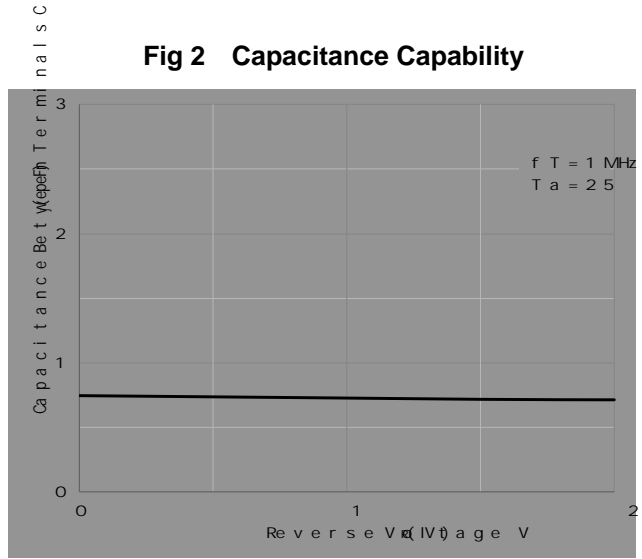
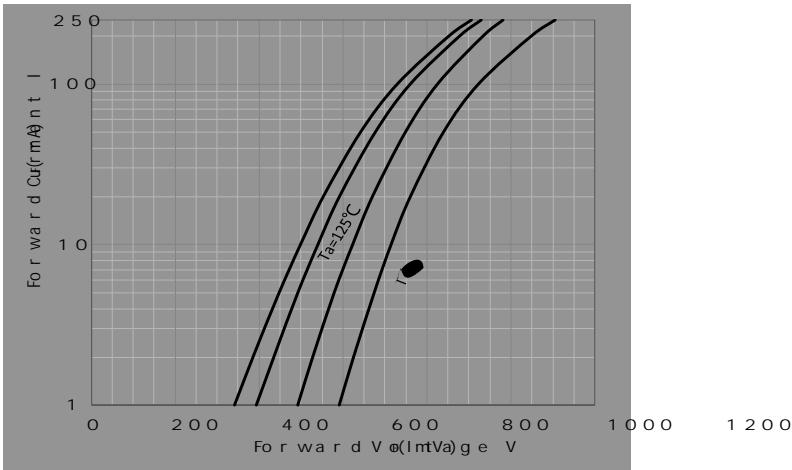


Fig 3 Typical Forward Characteristics

Fig 4 Typical Reverse Characteristics





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Preferred P/N	Packing code	Unit weight(g)	Minimum package(pcs)	Inner box
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