

**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 / M



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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



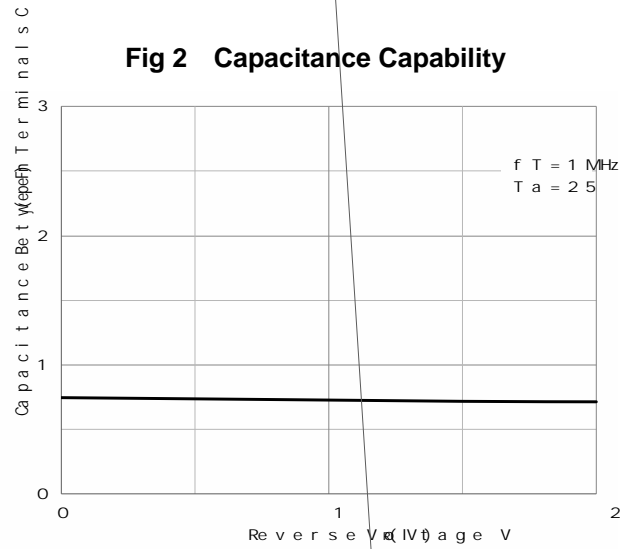
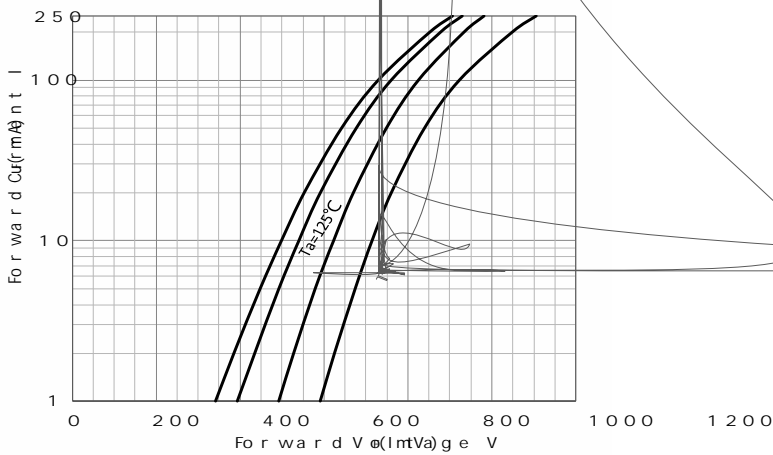
Characteristics

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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