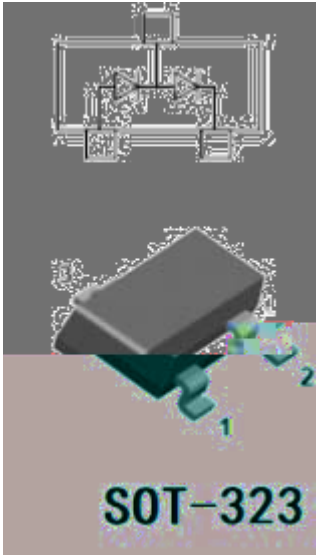




Dual Switching Diode



- Features**
- Moisture sensitivity level 1
 - Reverse voltage 75V
 - Average forward current 150mA

- Application**
- Signal switching
 - High frequency rectifier

- Mechanical data**
- Package SOT-323
 - Terminals Tin plated leads, solderable per J-STD-002 and JESD22-B102

■ Maximum Ratings (Ta=25 Unless otherwise specified)

Parameter	Symbol	Unit	Value
Reverse voltage	V_{RRM}	V	100
Forward current , per leg	I_{F}	mA	150
Non-repetitive surge peak forward current @ $t = 8 \sim 3ms$ half-sine wave	I_{FSM}	A	2
Non-repetitive surge peak forward current @ $t = 1ms$ square wave			2
Power dissipation	P	mW	200
Junction temperature	T_J		-55 to +150
Storage temperature	T_{STG}		-55 to +150



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Parameter	Symbol	UNIT	Conditions	Min	Typ	Max
Reverse voltage	V_R	V	$I_R=100\mu A$	75		
Forward voltage	V_{F1}	V	$I_F=1mA$			0.715
	V_{F2}	V	$I_F=10mA$			0.855
	V_{F3}	V	$I_F=50mA$			1
	V_{F4}	V	$I_F=150mA$			1.25
Reverse leakage current	I_R	μA	$V_R=75V$			2.5
Junction capacitance	C_j	pF	$V_R=0V, f=1MHz$			2
Reverse recovery time	T_{rr}	ns	$I_F=I_R=10mA$ $I_{rr}=0.1\cdot I_R,$ $R_L=100\Omega$			4

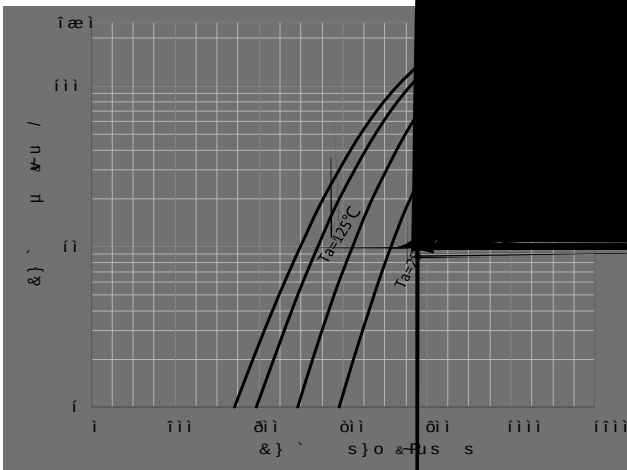
Parameter	Symbol	Unit	
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■ Characteristics

Fig 1 Pb-Ta Cu

Fig 3 Typical Forward C





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RoHS
COMPLIANT

■ Ordering Information

Preferred P/N	Packing code	Unit weight(g)	Minimum package(pcs)	Inner box quantity(pcs)	Outer carton quantity (pcs)	Delivery mode
BAV99WT	F2	Approximate 0.005	3000	30000	120000	7" reel

■ Outline Dimensions

■ Suggested Pad Layout



BAV99WT



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