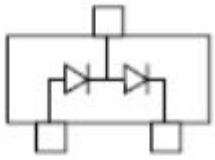
Dual Switching Diode



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** (T_a=25 Unless otherwise specified)

Parameter Î	Ŧ	Ŧ / ṇ	
	RRM	V	100
Forward current , per leg	F I	mA	150
Non-repetitive surge peak forward current @= 8 . 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	J T		-55 to +150
Storage temperature	T_{STG}		-55 to +150

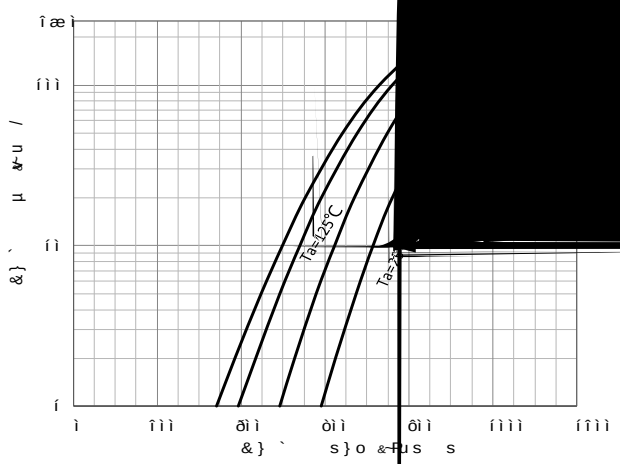
Parameter	Symbol	UNIT	Conditions	Min	Typ	Max
Reverse voltage	V_R	V	I_R=100uA	75		
Forward voltage	V_{F1}	V	I_F=1mA			0.715
	V_{F2}	V	I_F=10mA			0.855
	V_{F3}	V	I_F=50mA			1
	V_{F4}	V	I_F=150mA			1.25
Reverse leakage current	I_R	uA	V_R=75V			2.5
Junction capacitance	Cj	pF	V_R=0V,f=1MHz			2
Reverse recovery time	Trr	ns	I_F=I_R=10mA Irr=0.1*IR, R_L=100Ω			4

Parameter	Symbol	Unit	

■Characteristics

Fig 1 P_D-Ta Cu

Fig 3 Typical Forward



■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

Disclaimer

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