

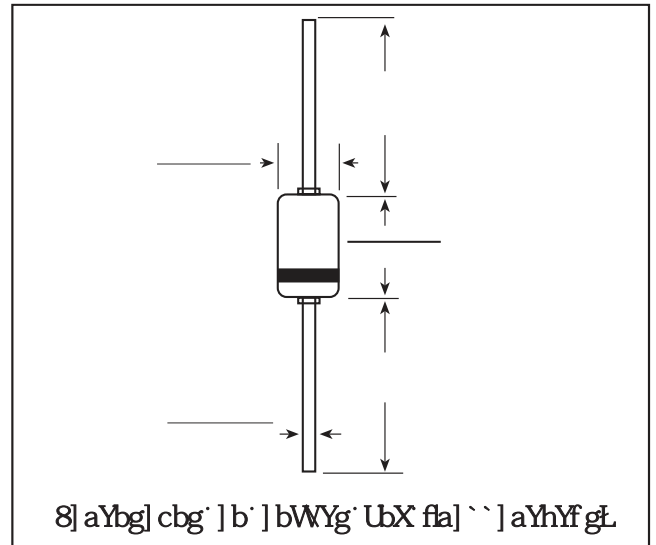
SMALL SIGNAL SCHOTTKY DIODE

Features

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MECHANICAL DATA

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MAXIMUM RATINGS AND CHARACTERISTICS

Item	Symbol	Unit	Conditions	Max
Continuous reverse voltage	V_R	V		30
Forward continuous current	I_F	mA	$T_a=25$	200
Peak forward current	I_{FM}	mA	$T_a=25$	300
Surge forward current	I_{FSM}	mA	t_p 1s, $T_a=25$	600
Power dissipation	P_{tot}	mW	$T_a=65$	200
Maximum junction temperature	T_j			125
Ambient operating temperature range	T_A			-65 to +125
Storage temperature range	T_{stg}			-65 to +150
Junction ambient	R_{thJA}	/W	On PC board 50mm 50mm 1.6mm	250

Item	Symbol	Unit	Conditions	Min	Max
Reverse breakdown voltage	$V_{(BR)R}$	V	$I_R=10\mu A$ (pulsed)	30	
Leakage current	I_R	μA	$V_R=25V$		2
Forward voltage pulse test $t_p < 300\mu s, s < 2\%$	VF	V	$I_F=0.1mA$		0.24
		V	$I_F=1mA$		0.32
		V	$I_F=10mA$		0.4
		V	$I_F=30mA$		0.5
		V	$I_F=100mA$		0.8
Capacitance	C_{tot}	pF	$V_R=1V, f=1MHz$		10
Reverse recovery time	t_{rr}	ns	$I_F=I_R=10mA, I_R=0.1mA$		5

RATINGS AND CHARACTERISTIC CURVES

