

RoHS Compliant Product

A suffix of "-C" specifies halogen & lead-free

Features

Forward Current

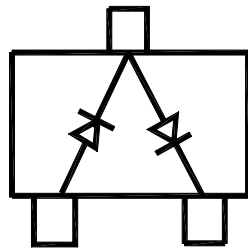
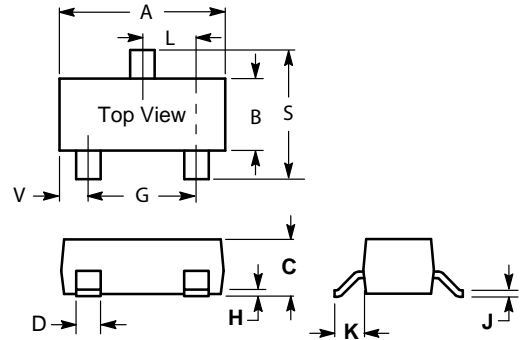
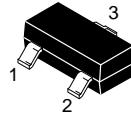
I_F : 215 mA

Reverse Voltage

V_R : 70 V

Operating and storage junction temperature range

T_J, T_{stg} : -55 to +150 °C

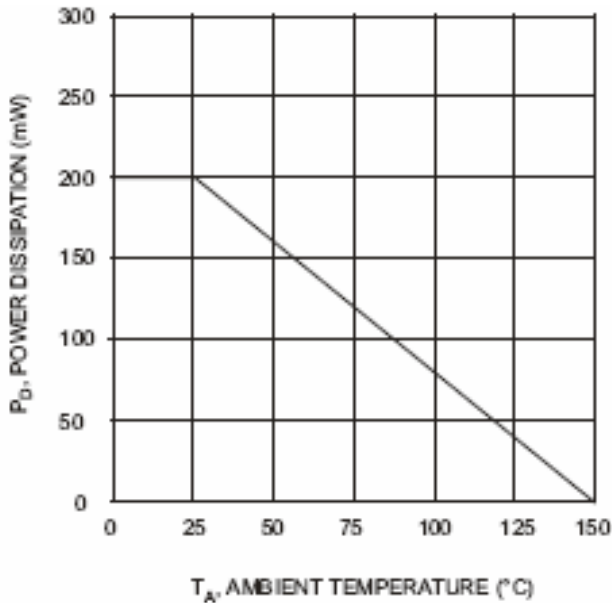


Marking JY

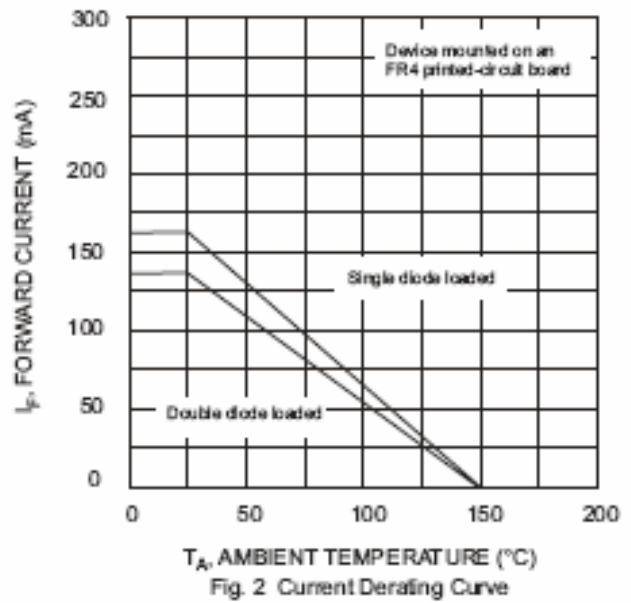
SOT-23		
Dim	Min	Max
A	2.800	3.040
B	1.200	1.400
C	0.890	1.110
D	0.370	0.500
G	1.780	2.040
H	0.013	0.100
J	0.085	0.177
K	0.450	0.600
L	0.890	1.020
S	2.100	2.500
V	0.450	0.600
All Dimension in mm		

ELECTRICAL CHARACTERISTICS (Tamb=25°C unless otherwise specified)

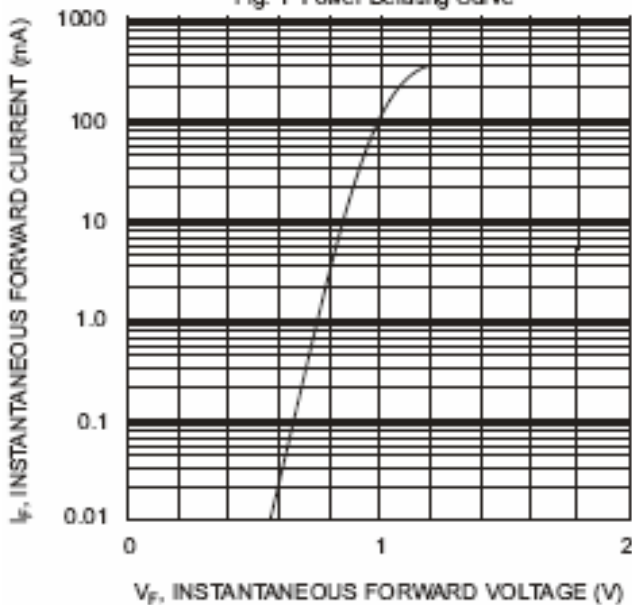
Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	$I_R = 100\mu A$	70		V
Reverse voltage leakage current	I_R	$V_R = 70V$		5	nA
Forward voltage	V_F	$I_F = 1mA$ $I_F = 10mA$ $I_F = 50mA$ $I_F = 150mA$		900 1000 1100 1250	mV
Diode capacitance	C_D	$V_R = 0V, f = 1MHz$		2	pF
Reverse recovery time	t_{rr}			3	μS



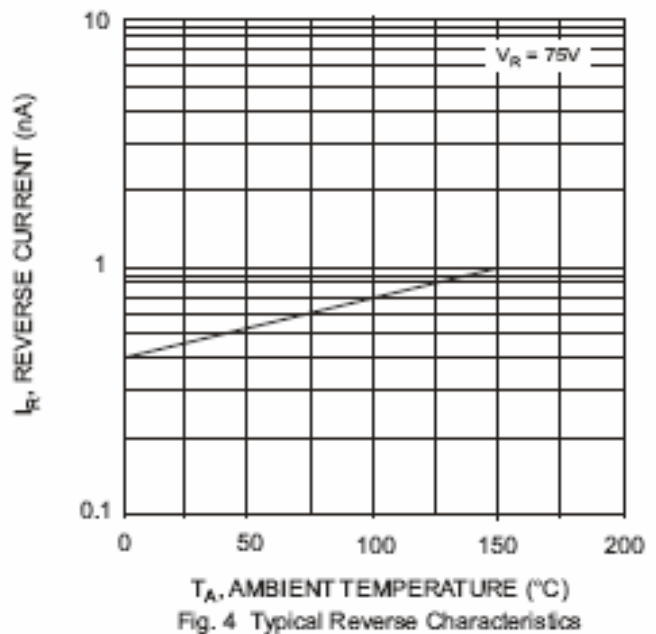
T_A , AMBIENT TEMPERATURE (°C)
Fig. 1 Power Derating Curve



T_A , AMBIENT TEMPERATURE (°C)
Fig. 2 Current Derating Curve



V_F , INSTANTANEOUS FORWARD VOLTAGE (V)
Fig. 3 Typical Forward Characteristics



T_A , AMBIENT TEMPERATURE (°C)
Fig. 4 Typical Reverse Characteristics