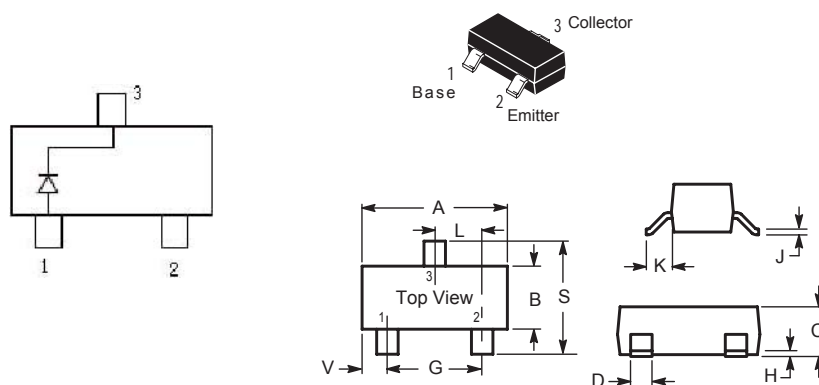


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Low leakage current applications
- Medium speed switching times

PACKAGE DIMENSIONS



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		

MARKING: JV

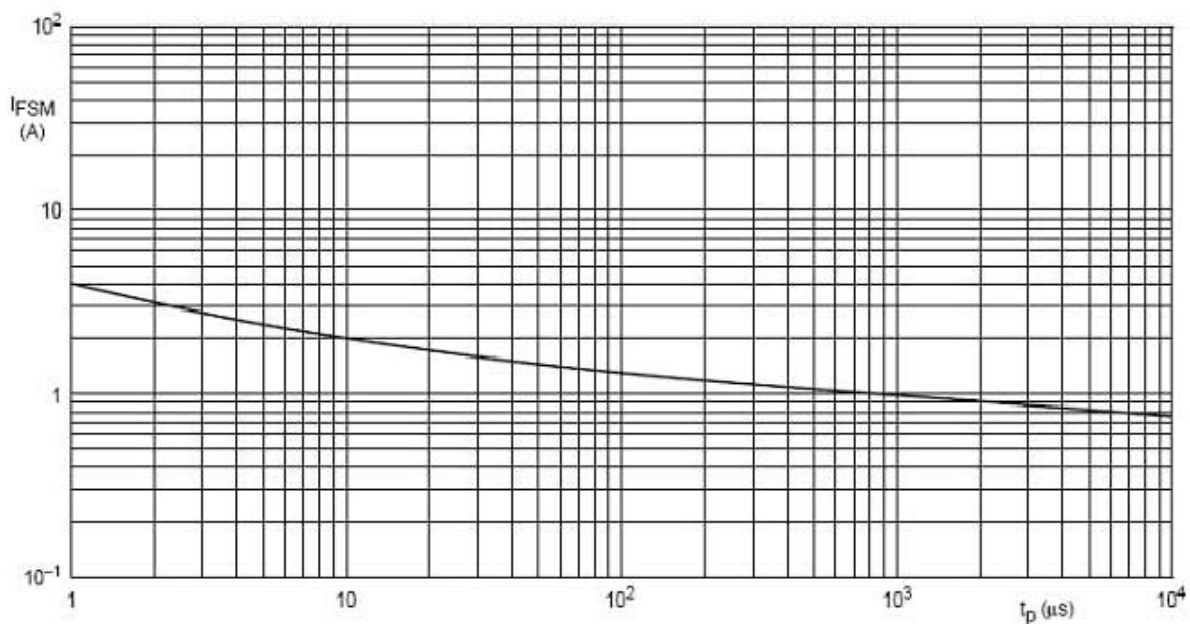
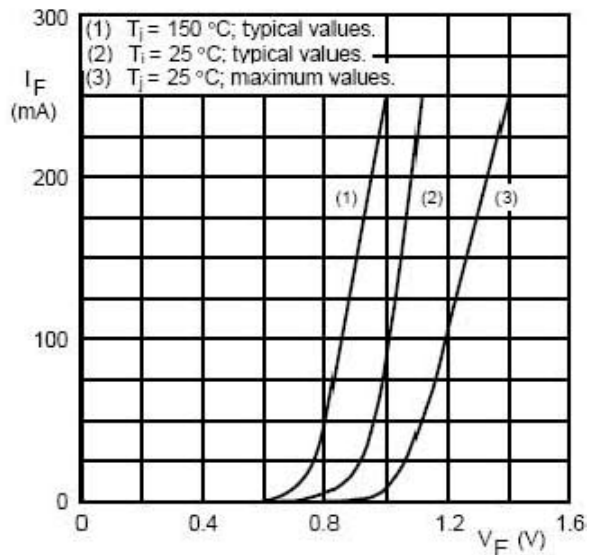
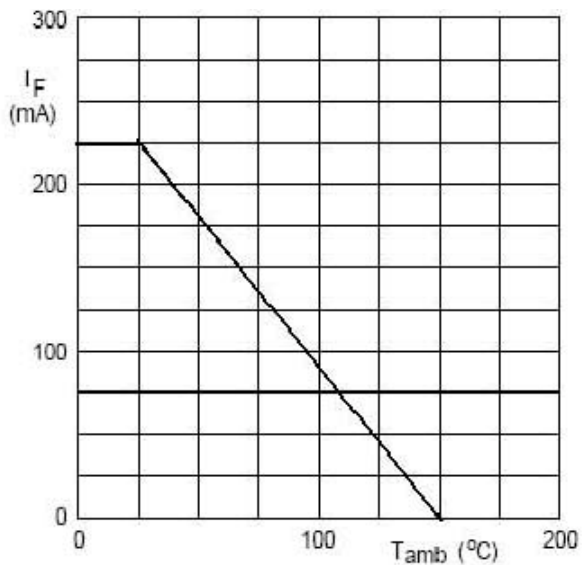
ABSOLUTE MAXIMUM RATINGS at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Peak Repetitive Peak Reverse Voltage	V_{RRM}	75	V
Working Peak Reverse Voltage	V_{RWM}	75	V
DC Blocking Voltage	V_R	75	V
Collector Current	I_{FM}	200	mA
Total Power Dissipation	P_D	225	mW
Junction, Storage Temperature	T_J, T_{STG}	+150, -55 ~ +150	°C

ELECTRICAL CHARACTERISTICS (at Ta = 25°C unless otherwise specified)

Parameters	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Reverse Breakdown Voltage	V_R	75	-	-	V	$I_R = 100\mu A$
Forward Voltage	V_{F1}	-	-	0.9	V	$I_F = 1mA$
	V_{F2}	-	-	1	V	$I_F = 10mA$
	V_{F3}	-	-	1.1	V	$I_F = 50mA$
	V_{F4}	-	-	1.25	V	$I_F = 150mA$
Reverse Current	I_R	-	-	5	nA	$V_R = 75V$
Diode Capacitance	C_{TOT}	-	2	-	pF	$V_R = 0V, f=1MHz$
Reverse Recovery Time	T_{RR}	-	-	3	uS	$I_F=I_R=10mA, I_{RR}=0.1 \times I_R, R_L=100\Omega$

RATINGS AND CHARACTERISTIC CURVES



Based on square wave currents; $T_j = 25$ °C prior to surge.

Maximum permissible non-repetitive peak forward current as a function of pulse duration.

