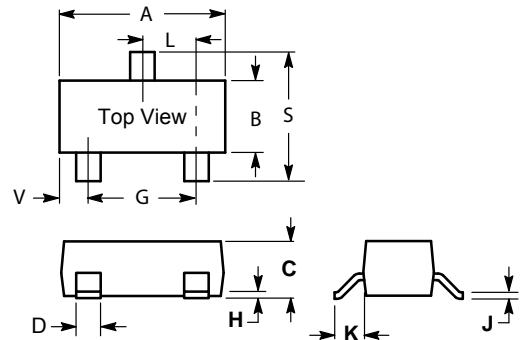
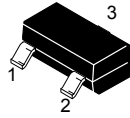


RoHS Compliant Product

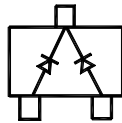
A suffix of "-C" specifies halogen & lead-free

**FEATURES**

- Low leakage current: typ. 3pA
- Switching time: typ. 0.8µs
- Continuous reverse voltage: max. 75V
- Repetitive peak reverse voltage: max. 85V
- Repetitive peak forward current: max. 500mA.



**MARKING: JXž8 )**



**Maximum Ratings @T<sub>A</sub>=25°C**

Parameter	Symbol	Limits	Unit
Repetitive Peak reverse voltage	V <sub>RRM</sub>	85	V
DC Blocking Voltage	V <sub>R</sub>	75	V
continuous forward current single diode loaded; note1; double diode loaded; note1;	I <sub>F</sub>	215 125	mA
repetitive peak forward current	I <sub>FRM</sub>	500	mA
non-repetitive peak forward current square wave; T <sub>j</sub> =25C prior to surge; tp=1 µ s tp=1ms tp=1s	I <sub>FSM</sub>	4 1 0.5	A
thermal resistance from junction to tie-point	R <sub>th j-tp</sub>	360	K/W
thermal resistance from junction to ambient note1;	R <sub>th j-a</sub>	500	K/W
Total Power Dissipation	P <sub>tot</sub>	250	mW
Junction temperature	T <sub>J</sub>	150	°C
Storage temperature range	T <sub>STG</sub>	-65 to+150	°C

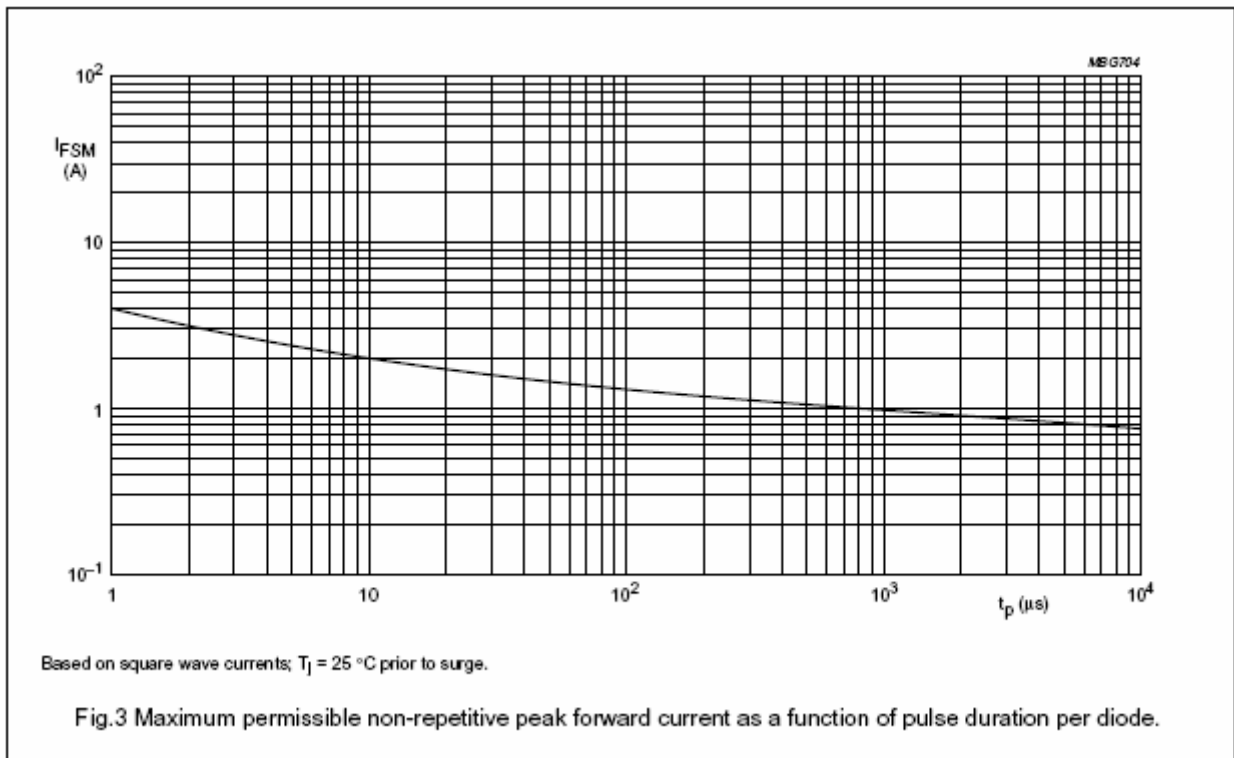
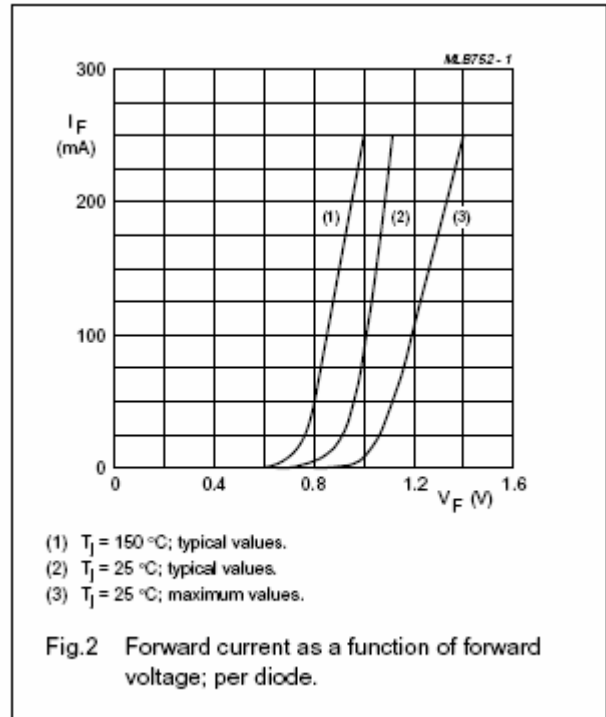
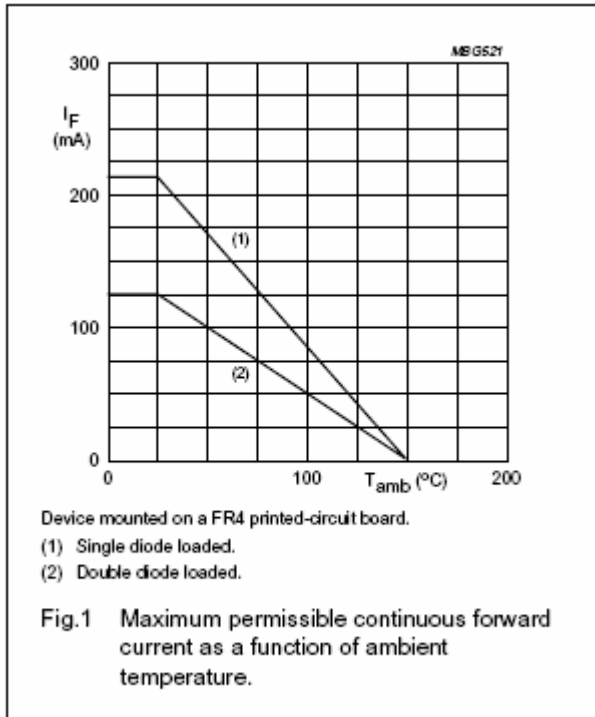
SOT-23		
Dim	Min	Max
A	2.800	3.040
B	1.200	1.400
C	0.890	1.110
D	0.370	0.500
G	1.780	2.040
H	0.013	0.100
J	0.085	0.177
K	0.450	0.600
L	0.890	1.020
S	2.100	2.500
V	0.450	0.600
All Dimension in mm		

Note1. Device mounted on a FR4 printed-circuit board.

**Electrical Characteristics @T<sub>A</sub>=25°C**

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	V <sub>F1</sub>	I <sub>F</sub> =1mA			0.9	V
	V <sub>F2</sub>	I <sub>F</sub> =10mA			1.0	V
	V <sub>F3</sub>	I <sub>F</sub> =50mA			1.1	V
	V <sub>F4</sub>	I <sub>F</sub> =150mA			1.25	V
reverse current	I <sub>R</sub>	V <sub>R</sub> =75V			5	nA
Reverse recovery time	t <sub>rr</sub>	I <sub>F</sub> =I <sub>R</sub> =10mA, R <sub>L</sub> =100 Ω			3	us
Diodes Capacitance	C <sub>d</sub>	V <sub>R</sub> =0, f=1MHz		2		pF

**Typical Characteristics**



**Typical Characteristics**

