

9097250 TOSHIBA (DISCRETE/OPTO)

67C 09375

D T-07-19

**1SV160**

Silicon Epitaxial Planar Type

Variable Capacitance Diode

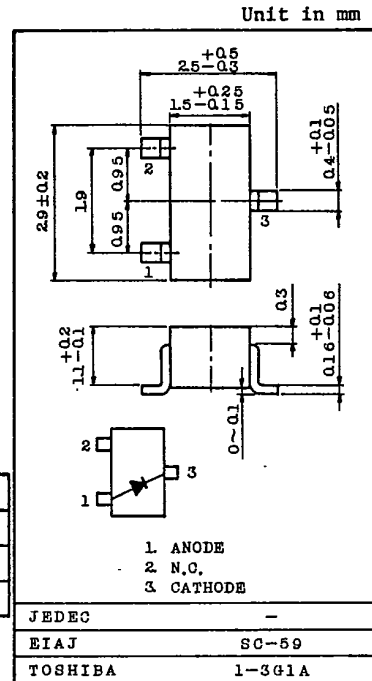
AFC APPLICATION FOR FM RECEIVER.

## FEATURES:

- Small Package : SOT-23MOD
- Low Series Resistance :  $r_s=0.7\Omega$  (Typ.)

MAXIMUM RATINGS ( $T_a=25^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	$V_R$	15	V
Junction Temperature	$T_j$	125	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	-55 ~ 125	$^\circ\text{C}$



Weight : 0.013g

ELECTRICAL CHARACTERISTICS ( $T_a=25^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Current	$I_R$	$V_R=4\text{V}$	-	-	100	nA
Reverse Voltage	$V_R$	$I_R=10\mu\text{A}$	15	-	-	V
Total Capacitance	$C_T$	$V_R=4\text{V}, f=1\text{MHz}$	7	-	14	pF
Capacitance Ratio	$C_{2V}/C_{4V}$	-	1.2	-	1.5	
Series Resistance	$r_s$	$V_R=4\text{V}, f=50\text{MHz}$	-	0.7	1.2	$\Omega$

Marking



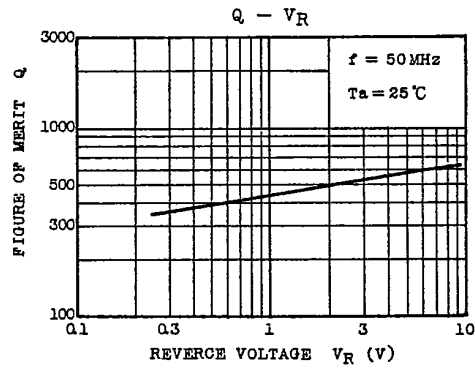
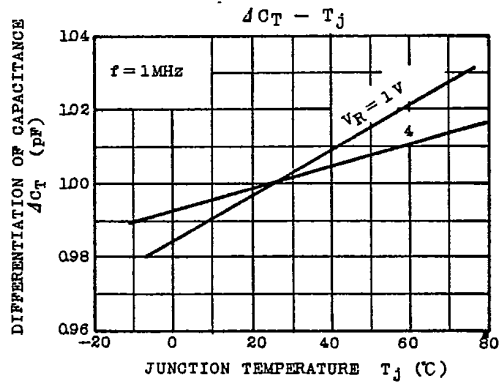
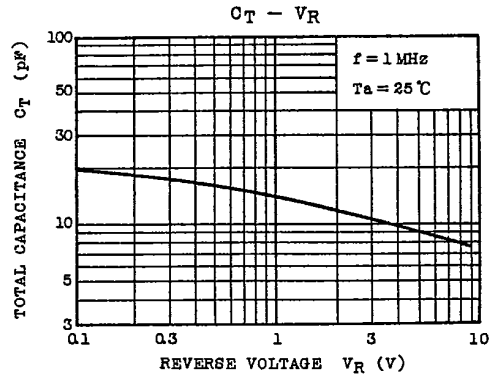
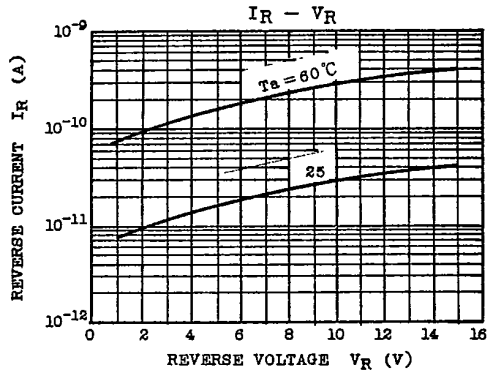
TOSHIBA CORPORATION

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