

9097250 TOSHIBA (DISCRETE/OPTO)

67C 09375

D T-07-19

1SV160

Silicon Epitaxial Planar Type

Variable Capacitance Diode

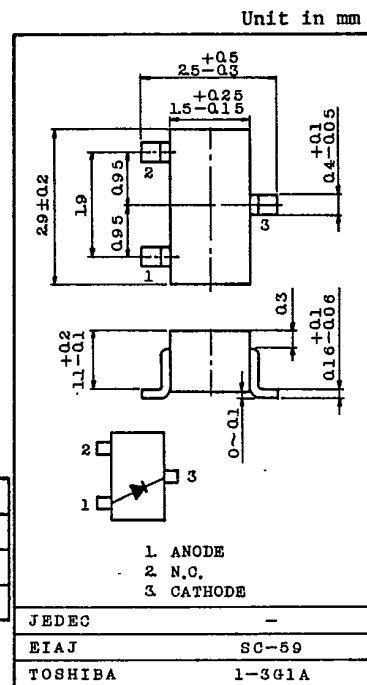
AFC APPLICATION FOR FM RECEIVER.

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	Ω

Marking



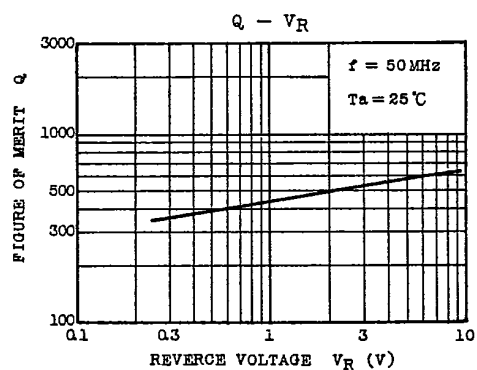
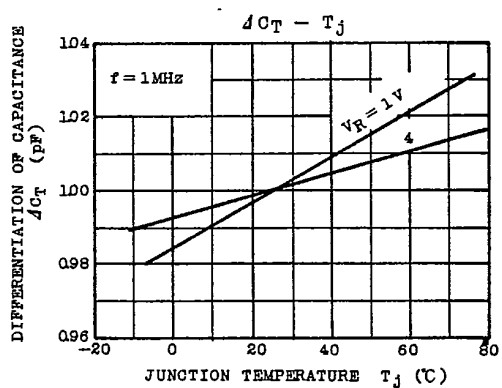
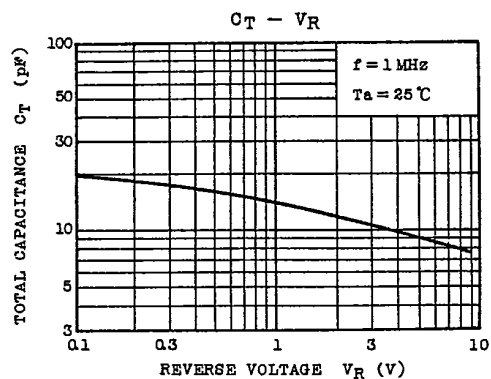
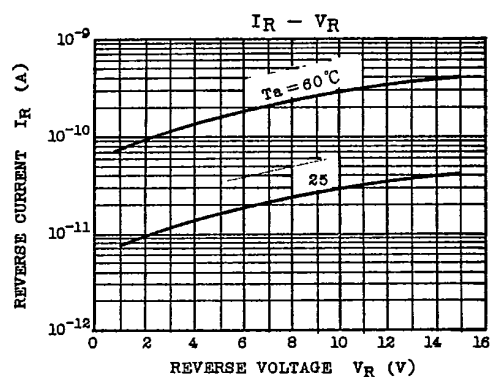
TOSHIBA CORPORATION

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