

TOSHIBA {DISCRETE/OPTO}

67 DE 9097250 0009310 2

9097250 TOSHIBA (DISCRETE/OPTO)

67C 09310 D T-07-15

Silicon Epitaxial Planar Type

Diode

1S2186

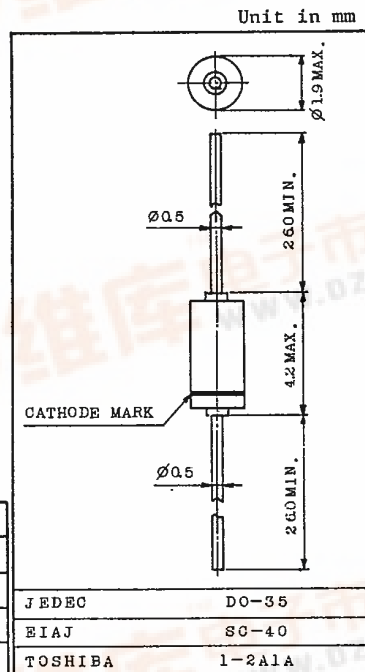
VHF TUNER BAND SWITCH APPLICATIONS.

FEATURES:

- Small Total Capacitance: $C_T=2\text{pF}$ (Max.)
- Low Series Resistance : $r_s=1.0\Omega$ (Max.)

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	20	V
Forward Current	I_F	100	mA
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	$-55\sim 150$	$^\circ\text{C}$



Weight : 0.14g

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	$I_F=100\text{mA}$	-	-	1.0	V
Reverse Current	I_R	$V_R=15\text{V}$	-	-	0.1	μA
Reverse Voltage	V_R	$I_R=1\mu\text{A}$	20	-	-	V
Total Capacitance	C_T	$V_R=10\text{V}$, $f=1\text{MHz}$	-	-	2	pF
Series Resistance (Note)	r_s	$I_F=10\text{mA}$, $f=100\text{MHz}$	-	0.5	1.0	Ω

Note : r_s Classification GR : 0.6Ω MAX. BK : 1.0Ω Max.

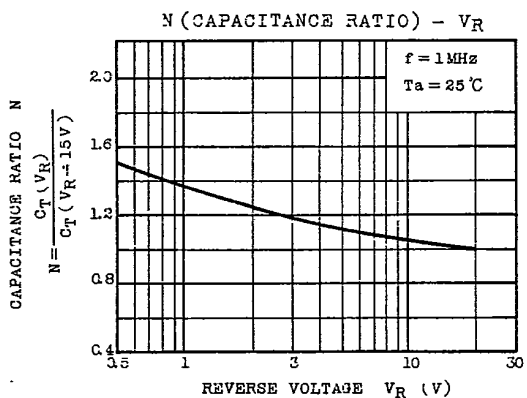
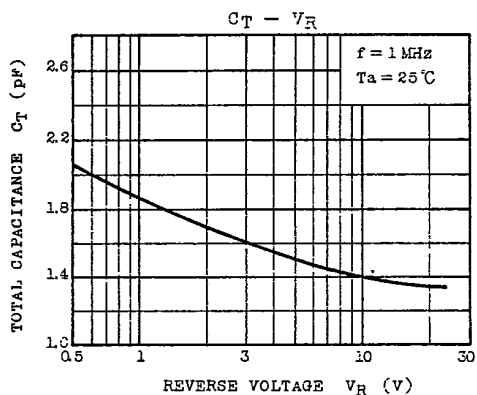
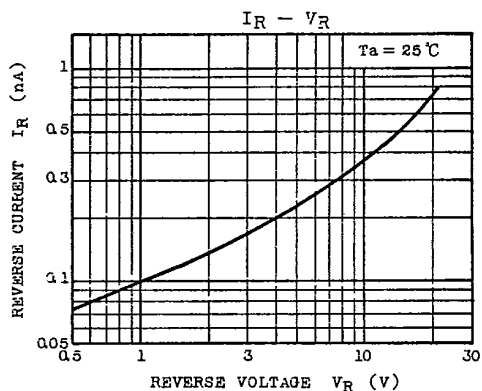
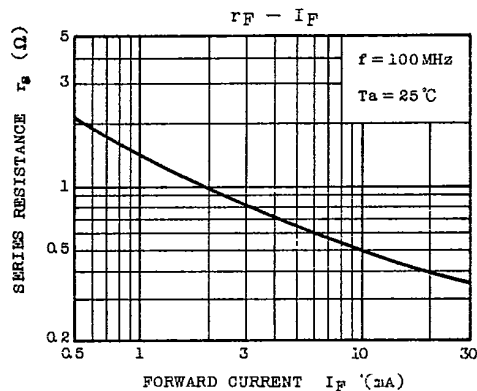
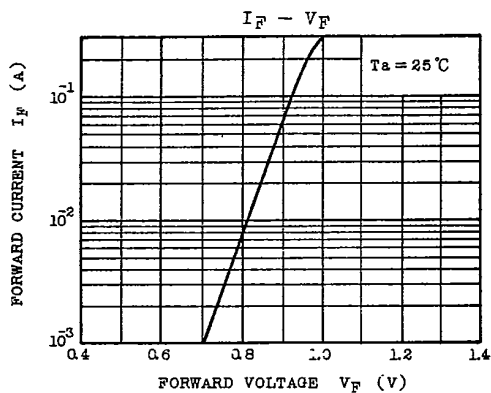
TOSHIBA CORPORATION

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