

9097250 TOSHIBA (DISCRETE/OPTO)

67C 09316 DT-01-09

Silicon Planar Type  
Diode

# 1SS104

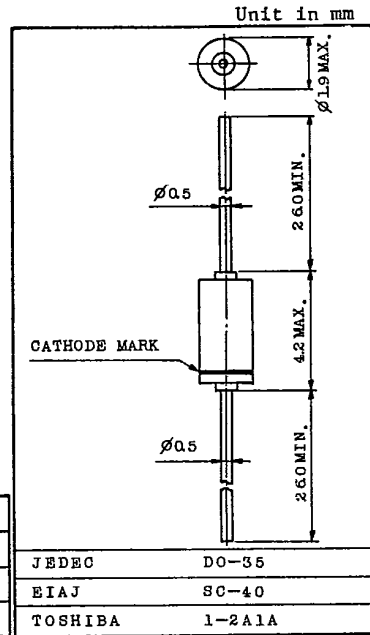
GENERAL PURPOSE RECTIFIER APPLICATIONS.

FEATURES:

- Low Forward Voltage :  $V_F=1.3V$  (Max.)
- Low Reverse Current :  $I_R=0.1nA$  (Typ.)

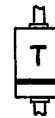
MAXIMUM RATINGS ( $T_a=25^{\circ}C$ )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum(Peak) Reverse Voltage	VRM	35	V
Reverse Voltage	VR	30	V
Maximum(Peak) Forward Current	IFM	300	mA
Average Forward Current	IO	100	mA
Surge Current (1 sec)	IFSM	1	A
Power Dissipation	P	300	mW
Junction Temperature	Tj	175	$^{\circ}C$
Storage Temperature Range	Tstg	-65 ~ 175	$^{\circ}C$



Weight: 0.14g

Note : Marking



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

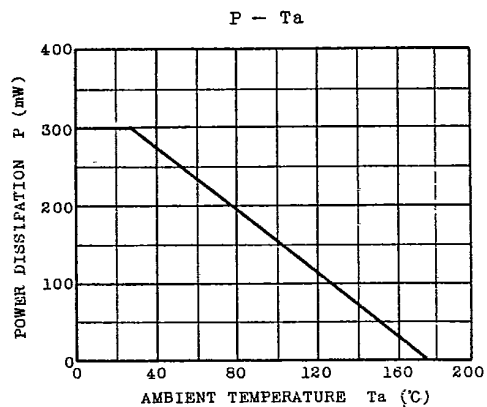
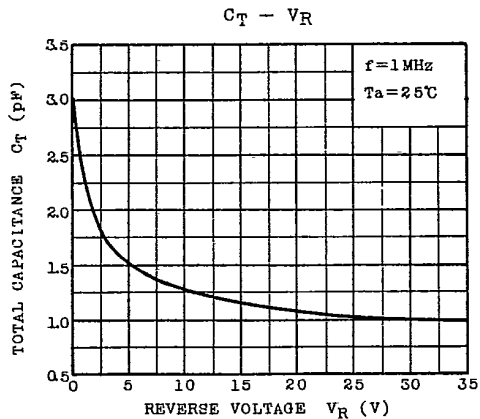
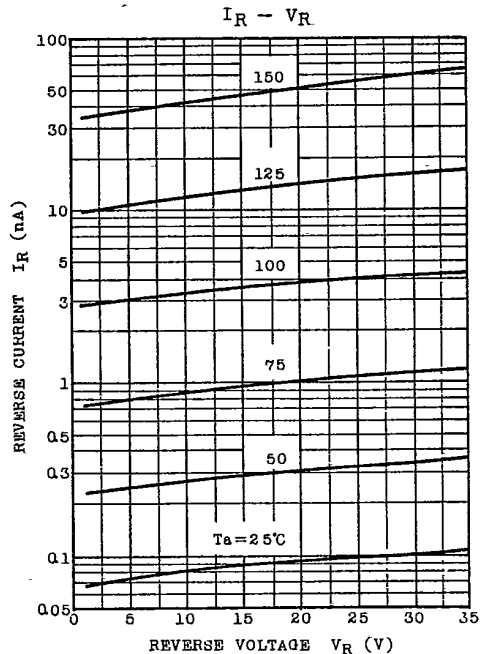
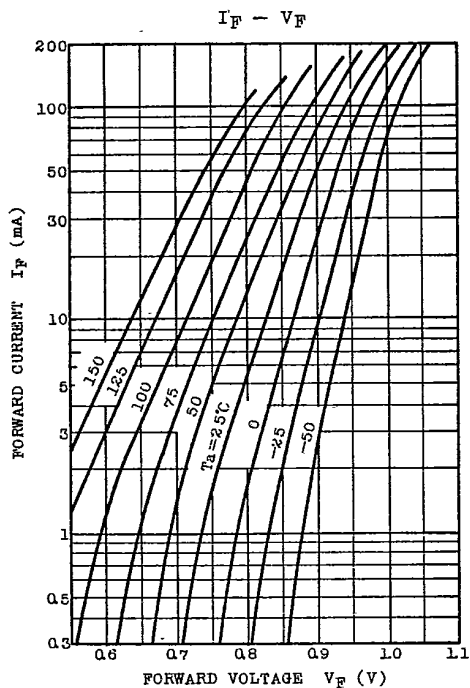
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =100mA	-	1.0	1.3	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =30V	-	0.1	10	nA
Total Capacitance	C <sub>T</sub>	V <sub>R</sub> =0, f=1MHz	-	3	6	pF

TOSHIBA CORPORATION

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