Silicon Planar Type
Diode

1SS104

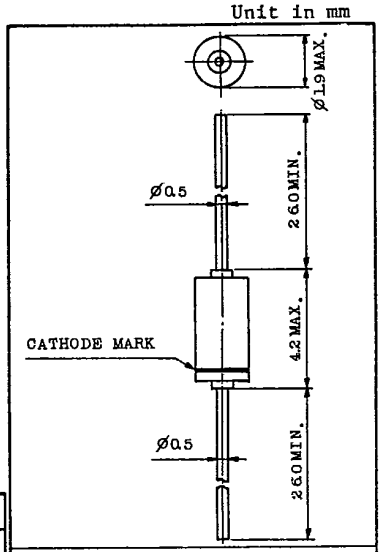
GENERAL PURPOSE RECTIFIER APPLICATIONS.

FEATURES:

. Low Forward Voltage : V_F=1.3V (Max.)

. Low Reverse Current : I_R=0.1nA (Typ.)

Unit in mm



JEDEC	DO-35
EIAJ	SC-40
TOSHIBA	1-2A1A

Weight: 0.14g

MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum(Peak) Reverse Voltage	V_{RM}	35	V
Reverse Voltage	V_R	30	V
Maximum(Peak) Forward Current	I_{FM}	300	mA
Average Forward Current	I_O	100	mA
Surge Current (1 sec)	I_{FSM}	1	A
Power Dissipation	P	300	mW
Junction Temperature	T_j	175	°C
Storage Temperature Range	T_{stg}	-65~175	°C

Note : Marking

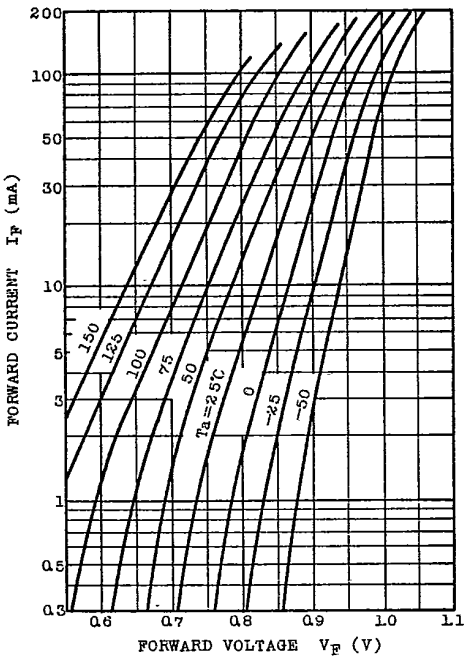


ELECTRICAL CHARACTERISTICS (Ta=25°C)

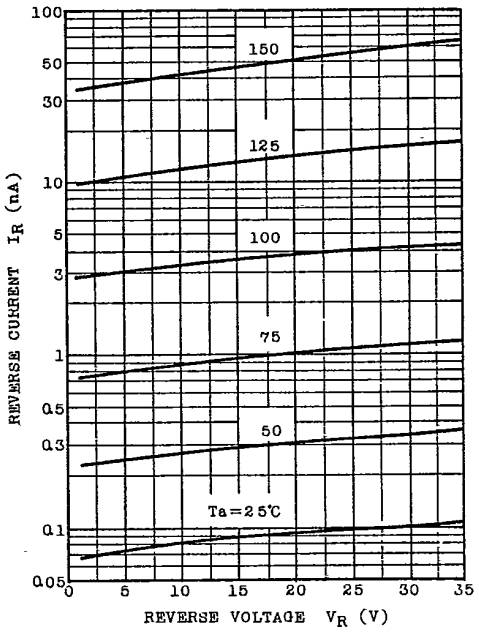
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	I_F=100mA	-	1.0	1.3	V
Reverse Current	I_R	V_R=30V	-	0.1	10	nA
Total Capacitance	C_T	V_R=0, f=1MHz	-	3	6	pF

1SS104

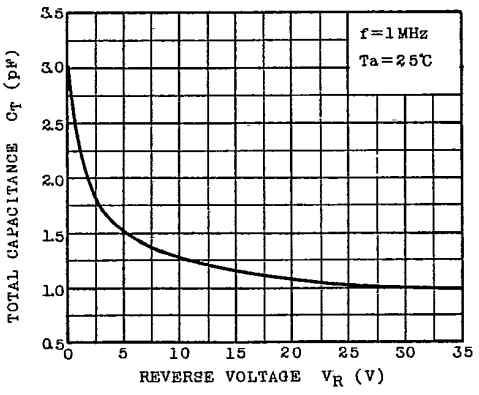
$I_F - V_F$



$I_R - V_R$



$C_T - V_R$



P — Ta

