

DATA SHEET

BAS40/A/C/S

SURFACE MOUNT SCHOTTKY DIODES

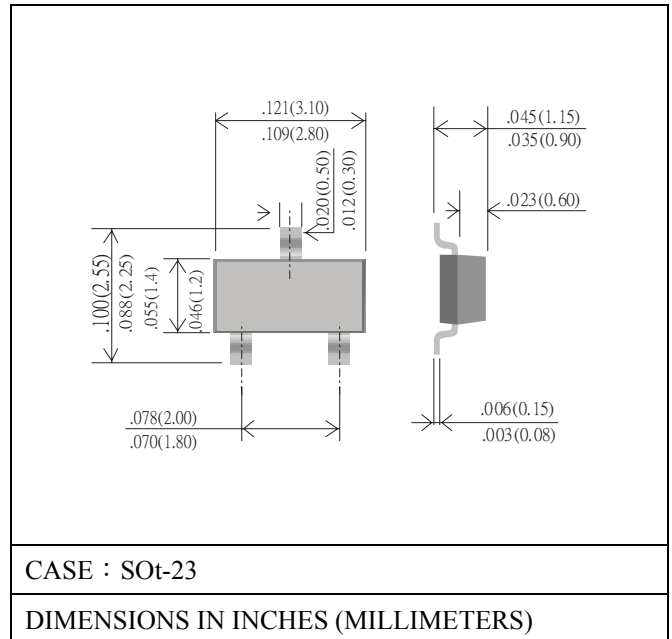
VOLTAGE 40 Volts **CURRENT** 200 mA

FEATURES

- FAST SWITCHING SPEED
- HIGH CONDUCTOR
- SURFACE MOUNT PACKAGE IDEALLY SUITED FOR AUTOMATIC INSERTION
- ELECTRICAL IDENTICAL STANDARD JEDEC

MECHANICAL DATA

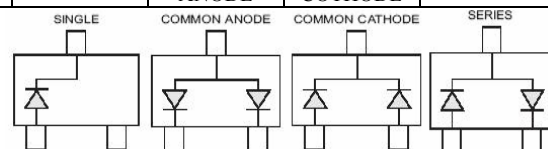
- CASE : SOT-23, PLASTIC
- TERMINALS : SOLDERABLE PER MIL-STD-202, METHOD 208
- APPROX. WEIGHT: 0.008 GRAMS



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED.						
PARAMETER	SYMBOL	BAS40	BAS40A	BAS40C	BAS40S	UNITS
REVERSE VOLTAGE	V_R	40				V
PEAK REVERSE VOLTAGE	V_{RRM}	40				V
AVERAGE RECTIFIED CURRENT	I_O	0.2				A
POWER DISSIPATION	P_D	225				mW
STORAGE TEMPERATURE	T_{STG}	- 55 TO +150				°C
ELECTRICAL CHARACTERISTICS ($A_T T_A = 25^\circ C$ UNLESS OTHERWISE NOTED)						
PARAMETER	SYMBOL	BAS40	BAS40A	BAS40C	BAS40S	UNITS
REVERSE BREAKDOWN VOLTAGE AT 10 μ A	$V_{(BR)}$	40				V
MAXIMUM FORWARD VOLTAGE	V_F	$I_F = 1mA$				V
		$I_F = 40mA$				
MAXIMUM DC REVERSE CURRENT AT 30V	I_R	1.0				mA
DIODE CAPACITANCE (NOTE 1)	C_D	5				pF
CIRCUIT FIGURE		SINGLE	COMMON ANODE	COMMON CATHODE	SERIES	

NOTE: 1. C_D AT $V_R = 0V, f = 1MHz$



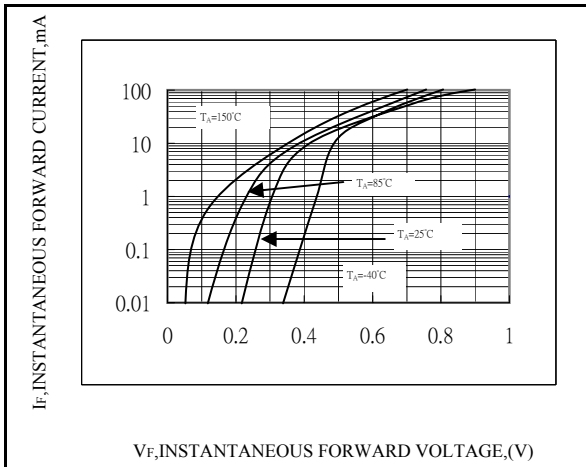


Fig. 1-TYPICAL FORWARD CHARACTERISTIC

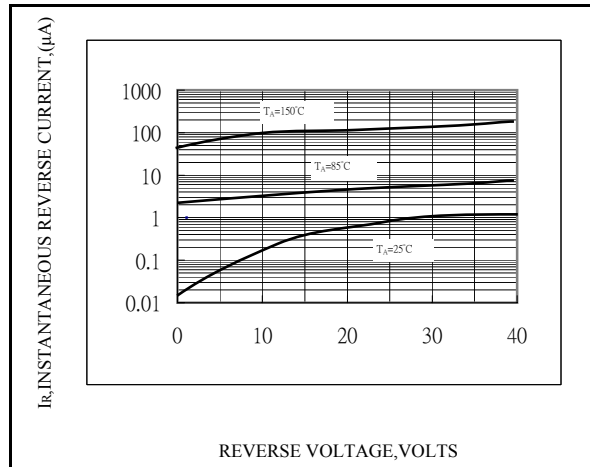


Fig. 2-TYPICAL REVERSE CHARACTERISTICS

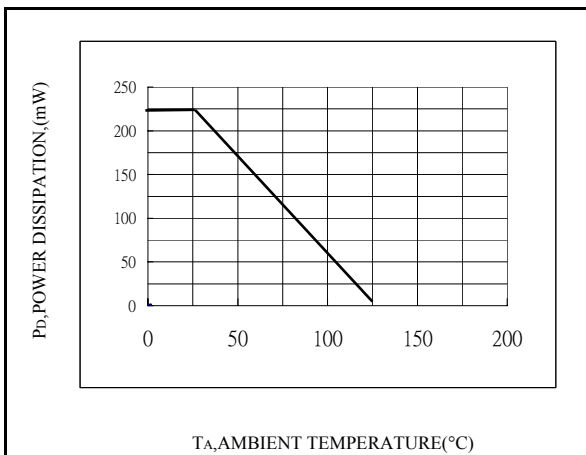


Fig. 3-POWER DERATING CURVE, TOTAL PACKAGE

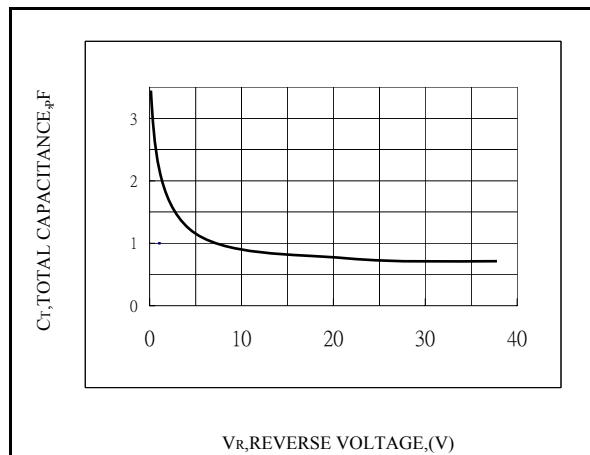


Fig. 4-TYPICAL CAPACITANCE