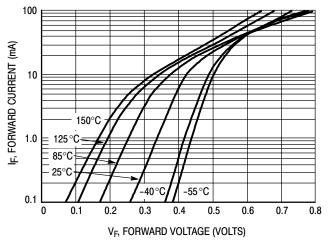
BAS40-06LT1

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

Characteristic	Symbol	Min	Max	Unit
Reverse Breakdown Voltage $(I_R = 10 \mu A)$	V _{(BR)R}	40	_	V
Total Capacitance (V _R = 1.0 V, f = 1.0 MHz)	C _T	-	5.0	pF
Reverse Leakage (V _R = 25 V)	I _R	-	1.0	μAdc
Forward Voltage (I _F = 1.0 mAdc)	V _F	-	380	mVdc
Forward Voltage (I _F = 10 mAdc)	V _F	-	500	mVdc
Forward Voltage (I _F = 40 mAdc)	V _F	-	1.0	Vdc



100 T_A = 150°C I_R, REVERSE CURRENT (μA) 125°C 10 85°C 1.0 0.1 25°C 0.01 0.001 5.0 15 20 25 V_R, REVERSE VOLTAGE (VOLTS)

Figure 1. Typical Forward Voltage

Figure 2. Reverse Current versus Reverse Voltage

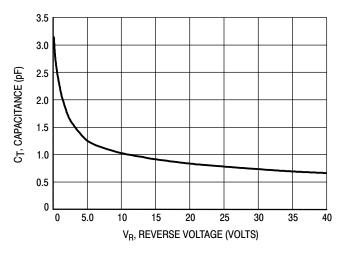
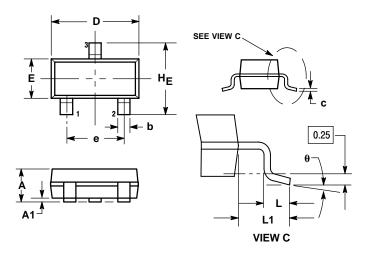


Figure 3. Typical Capacitance

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PACKAGE DIMENSIONS

SOT-23 (TO-236) CASE 318-08 **ISSUE AN**



NOTES:

- DIMENSIONING AND TOLERANCING PER
- ANSI Y14.5M, 1982. 2. CONTROLLING DIMENSION: INCH.
- 3. MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH THICKNESS. MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF BASE MATERIAL.
- BASE MATERIAL. 4. 318–01 THRU –07 AND –09 OBSOLETE, NEW STANDARD 318–08.

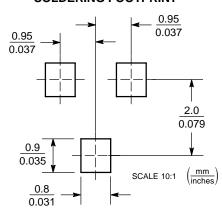
	MILLIMETERS			INCHES			
DIM	MIN	NOM	MAX	MIN	NOM	MAX	
Α	0.89	1.00	1.11	0.035	0.040	0.044	
A1	0.01	0.06	0.10	0.001	0.002	0.004	
b	0.37	0.44	0.50	0.015	0.018	0.020	
С	0.09	0.13	0.18	0.003	0.005	0.007	
D	2.80	2.90	3.04	0.110	0.114	0.120	
E	1.20	1.30	1.40	0.047	0.051	0.055	
е	1.78	1.90	2.04	0.070	0.075	0.081	
L	0.10	0.20	0.30	0.004	0.008	0.012	
L1	0.35	0.54	0.69	0.014	0.021	0.029	
HE	2.10	2.40	2.64	0.083	0.094	0.104	

STYLE 12:

- PIN 1. CATHODE 2. CATHODE

 - ANODE

SOLDERING FOOTPRINT*



*For additional information on our Pb-Free strategy and soldering details, please download the ON Semiconductor Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.

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