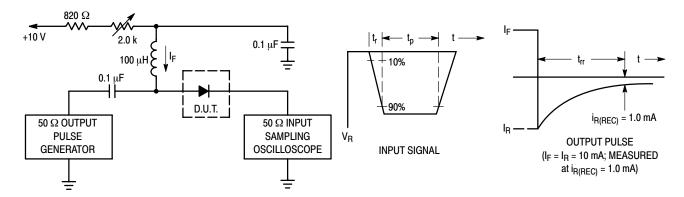
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ELECTRICAL CHARACTERISTICS ($T_A = 25^{\circ}C$ unless otherwise noted) **(EACH DIODE)**

Characteristic	Symbol	Min	Max	Unit
OFF CHARACTERISTICS				
Reverse Breakdown Voltage (I _(BR) = 100 μAdc)	V _(BR)	70	-	Vdc
Reverse Voltage Leakage Current $(V_R = 25 \text{ Vdc}, T_J = 150^{\circ}\text{C})$ $(V_R = 70 \text{ Vdc})$ $(V_R = 70 \text{ Vdc}, T_J = 150^{\circ}\text{C})$	I _R	- - -	30 2.5 50	μAdc
Diode Capacitance (V _R = 0, f = 1.0 MHz)	C _D	-	2.0	pF
Forward Voltage $(I_F = 1.0 \text{ mAdc})$ $(I_F = 10 \text{ mAdc})$ $(I_F = 50 \text{ mAdc})$ $(I_F = 150 \text{ mAdc})$	V _F	- - - -	715 855 1000 1250	mVdc
Reverse Recovery Time (I _F = I _R = 10 mAdc, I _{R(REC)} = 1.0 mAdc) (Figure 1) R_L = 100 Ω	t _{rr}	-	6.0	ns



Notes: 1. A 2.0 $k\Omega$ variable resistor adjusted for a Forward Current (I_F) of 10 mA.

Figure 1. Recovery Time Equivalent Test Circuit

^{2.} Input pulse is adjusted so $I_{R(peak)}$ is equal to 10 mA.

^{3.} $t_p \gg t_{rr}$

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Curves Applicable to Each Cathode

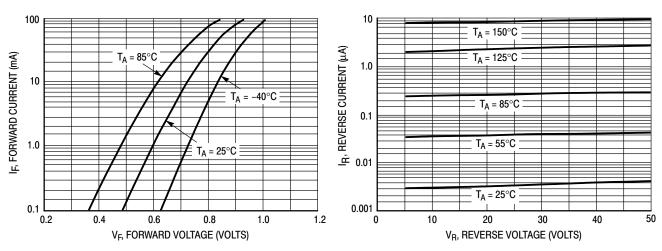


Figure 2. Forward Voltage

Figure 3. Leakage Current

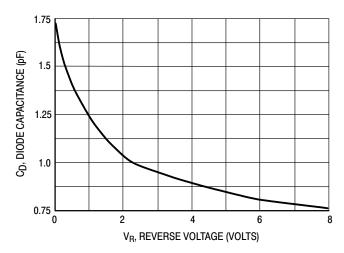


Figure 4. Capacitance

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PACKAGE DIMENSIONS

SOT-23-3 (TO-236) CASE 318-08

ISSUE AH

R

н₫

NOTES:

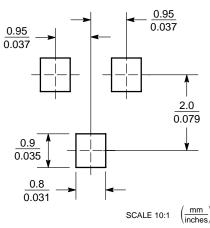
- 1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
- CONTROLLING DIMENSION: INCH.
 MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH THICKNESS. MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF BASE
- 318-03 AND -07 OBSOLETE, NEW STANDARD 318-08.

	INC	CHES	MILLIMETERS		
DIM	MIN	MAX	MIN	MAX	
Α	0.1102	0.1197	2.80	3.04	
В	0.0472	0.0551	1.20	1.40	
С	0.0350	0.0440	0.89	1.11	
D	0.0150	0.0200	0.37	0.50	
G	0.0701	0.0807	1.78	2.04	
Н	0.0005	0.0040	0.013	0.100	
J	0.0034	0.0070	0.085	0.177	
K	0.0140	0.0285	0.35	0.69	
Ĺ	0.0350	0.0401	0.89	1.02	
S	0.0830	0.1039	2.10	2.64	
٧	0.0177	0.0236	0.45	0.60	

STYLE 12:

- PIN 1.
- CATHODE CATHODE 2.
 - ANODE

SOLDERING FOOTPRINT



SOT-23-3

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