MMBV105GLT1

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

Characteristic	Symbol	Min	Max	Unit
Reverse Breakdown Voltage (I _R = 10 μAdc)	V _{(BR)R}	30	-	Vdc
Reverse Voltage Leakage Current (V _R = 28 Vdc)	I _R	-	50	nAdc

Device Type	C _T V _R = 25 Vdc, f = 1.0 MHz pF		Q V _R = 3.0 Vdc f = 50 MHz	C C ₃ // f = 1.0	C ₂₅
	Min	Max	Тур	Min	Max
MMBV105GLT1	1.5	2.8	250	4.0	6.5

TYPICAL CHARACTERISTICS

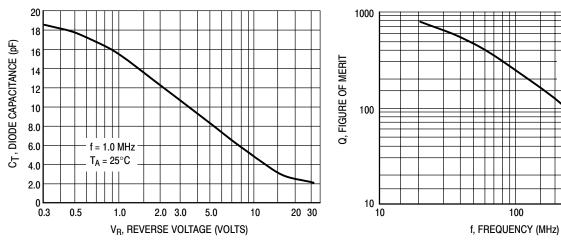


Figure 1. Diode Capacitance

Figure 2. Figure of Merit

V_R = 3 Vdc

 $T_A = 25^{\circ}C$

1000

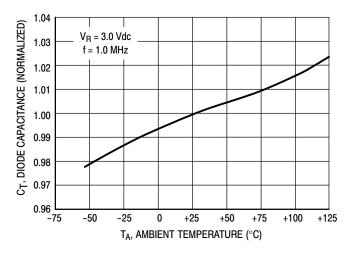
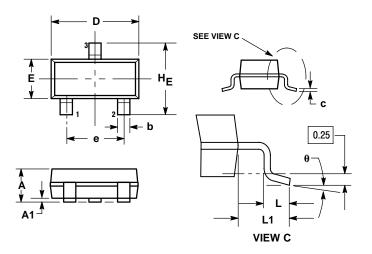


Figure 3. Diode Capacitance

MMBV105GLT1

PACKAGE DIMENSIONS

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



NOTES:

- DIMENSIONING AND TOLERANCING PER ANSI
 Y14 FM 1093
- Y14.5M, 1982. 2. CONTROLLING DIMENSION: INCH.
- MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH THICKNESS. MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF BASE MATERIAL.
- 318-01 THRU -07 AND -09 OBSOLETE, NEW STANDARD 318-08.

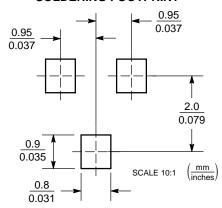
	MILLIMETERS			INCHES			
DIM	MIN	NOM	MAX	MIN	NOM	MAX	
Α	0.89	1.00	1.11	0.035	0.040	0.044	
A1	0.01	0.06	0.10	0.001	0.002	0.004	
b	0.37	0.44	0.50	0.015	0.018	0.020	
С	0.09	0.13	0.18	0.003	0.005	0.007	
D	2.80	2.90	3.04	0.110	0.114	0.120	
E	1.20	1.30	1.40	0.047	0.051	0.055	
е	1.78	1.90	2.04	0.070	0.075	0.081	
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 8:

PIN 1. ANODE

- 2. NO CONNECTION
- 3 CATHODE

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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