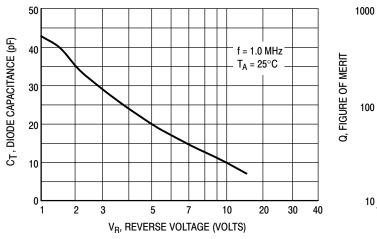
MMBV609LT1

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

Characteristic	Symbol	Min	Тур	Max	Unit
Reverse Breakdown Voltage ($I_R = 10 \mu Adc$)	V _{(BR)R}	20	-	-	Vdc
Reverse Voltage Leakage Current (V _R = 15 Vdc)	I _R	-	_	10	nAdc
Diode Capacitance (V _R = 3.0 Vdc, f = 1.0 MHz)	СТ	26	_	32	pF
Capacitance Ratio C3/C8 (f = 1.0 MHz)	C _R	1.8	_	2.4	-
Figure of Merit (V _R = 3.0 Vdc, f = 50 MHz)	Q	250	450	-	-

TYPICAL CHARACTERISTICS



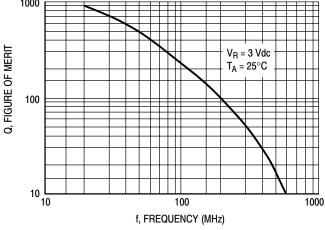


Figure 1. Diode Capacitance

Figure 2. Figure of Merit

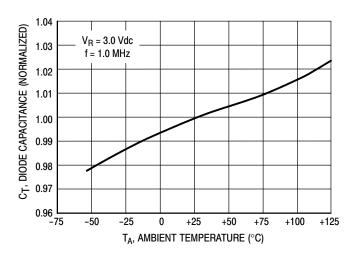
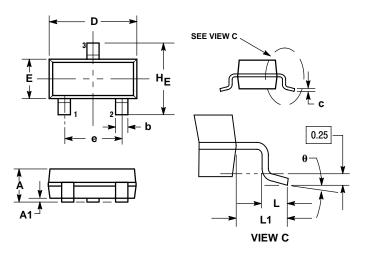


Figure 3. Diode Capacitance

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PACKAGE DIMENSIONS

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



NOTES:

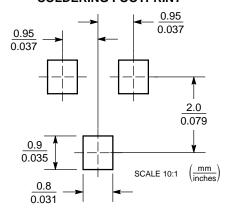
- DIMENSIONING AND TOLERANCING PER ANSI
 A
- Y14.5M, 1982. 2. CONTROLLING DIMENSION: INCH.
- MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH THICKNESS. MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF BASE MATERIAL.
- 318-01 THRU -07 AND -09 OBSOLETE, NEW STANDARD 318-08.

	М	ILLIMETE	RS	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 9:

- PIN 1. ANODE
 - ANODE
 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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