

Hyper-Abrupt Junction Tuning Diodes

FM Radio and TV



Style 8
CASE 318-02
(TO-236AA)



Style 1
CASE 182-02
(TO-226AC)
TO-92

- High Q
- Guaranteed Capacitance Range

Maximum Working Voltage

30 Volts

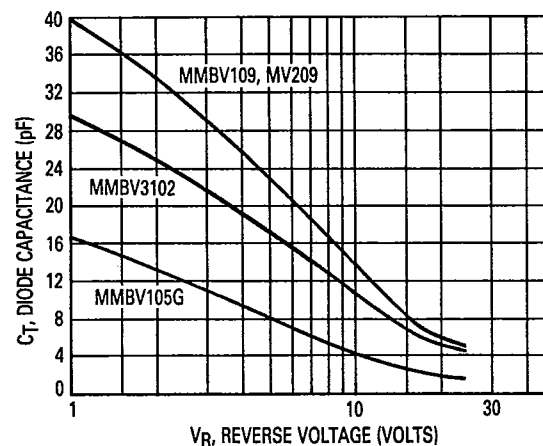
C _T Capacitance			Cap Ratio C3/C25 Min	Q @ 3 V 50 MHz Typ	Device Type
pF @ V _R					
Min	Max	Volts			
1.8	2.8	25	4	350	MMBV105G*
20	25	3	4.5	300	MMBV3102*
26	32	3	5	250	MMBV109*
26	32	3	5	250	MV209**

*Case 318

**Case 182

TYPICAL CHARACTERISTICS

Diode Capacitance



AM Radio



Style 1
CASE 182-02
(TO-226AC)
TO-92

- High Capacitance Ratio
- Guaranteed Diode Capacitance
- Close Matching

C _T		Q @ 1 Vdc, 1 MHz = 150 (Min)			
V _R =1 V, f=1 MHz		V _{BR} (R) Min	Cap Ratio @ V _R Min Volts		Device Type
pF					
Min	Max				
440	560	12	15	1/8	MVAM108
400	520	15	12	1/9	MVAM109
440	560	18	15	1/15	MVAM115
440	560	28	15	1/25	MVAM125

TYPICAL CHARACTERISTICS

Diode Capacitance versus Reverse Voltage

