

FM Radio Abrupt and TV Hyper-Abrupt Tuning

... designed for use in VHF and UHF tuners and FM radio, providing solid-state reliability in replacement of mechanical tuning methods.

Device Type	Ct Vr = 3 V f = 1 MHz pF		Cap. Ratio 3-25 V		Q @ 3 V f = 1 MHz min.	Package	Application and Comments
	Min.	Max.	Min.	Max.			
BB105B	2.0	2.3	4.5	6.0	225	Mini-L	VHF-UHF Tuners Consumer appl.
BB105G	1.8	2.8	4.0	6.0	150	Mini-L	
BB105A	2.3	2.8	4.0	5.0	225	Mini-L	
MV104	37	42	2.5 ⁷	2.8 ⁷	100	TO-92	Dual, FM Radio
MV104G	34	39	2.5 ⁷	2.8 ⁷	100	TO-92	Dual, FM Radio
MV109	26	32	5.0	6.5	280 ¹	Mini-L	High Ct, high Tr. professional application Tr. professional application
MV209	26	32	5.0	6.5	200 ¹	TO-92	
MV1401	468 ³	633	14 ⁵		200 ²	DO-14	
MV1403	140 ⁴	210	10 ⁶		200 ²	DO- 7	
MV1404	96 ⁴	144	10 ⁶		200 ²	DO- 7	
MV1405	200 ⁴	300	10 ⁶		200 ²	DO- 7	

1 Q @ Vr = 3 V f = 50 MHz

2 Q @ Vr = 2 V f = 1 MHz

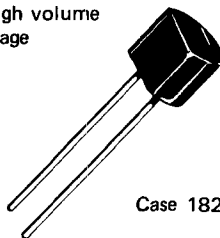
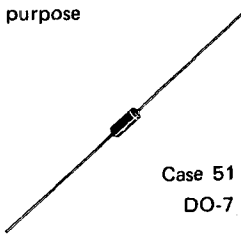
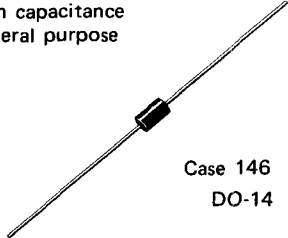
3 Ct @ Vr = 1 V f = 1 MHz

4 Ct @ Vr = 2 V f = 1 MHz

5 Cap. Ratio 1-10 V

6 Cap. Ratio 2-10 V

7 Cap. Ratio 3-30 V

Low cost high volume plastic package			General purpose			High capacitance General purpose		
								
Case 182			Case 51 DO-7			Case 146 DO-14		
B_{VR} min. 30 V $C_t = C_t$ nom. $\pm 10\%$ $@ V_r = 4$ V $f = 1$ MHz			B_{VR} min. 20 V $C_t = C_t$ nom. $\pm 10\%$ $@ V_r = 4$ V $f = 1$ MHz			B_{VR} min. 20 V $C_t = C_t$ nom. $\pm 10\%$ $@ V_r = 4$ V $f = 1$ MHz		
Cap. ratio 2-30 V min.	Q @ 4V 50 MHz min.	Device Type	Cap. ratio 2-20 V min.	Q @ 4V 50 MHz min.	Device Type	Cap. ratio 2-20 V min.	Q @ 4V 20 MHz min.	Device Type
2.5	450	MV2101	2.0	300	MV1620			
2.5	450	MV2102	2.0	300	MV1622			
2.5	400	MV2103	2.0	300	MV1624			
2.5	400	MV2104	2.0	300	MV1626			
2.5	400	MV2105	2.0	250	MV1628			
2.5	350	MV2106	2.0	250	MV1630			
			2.0	250	MV1632			
2.5	350	MV2107	2.0	250	MV1634			
2.5	300	MV2108	2.0	200	MV1636			
2.5	200	MV2109	2.0	200	MV1638			
2.5	150	MV2110	2.0	200	MV1640			
2.5	150	MV2111	2.0	200	MV1642			
2.6	150	MV2112	2.0	150	MV1644			
2.6	150	MV2113	2.0	150	MV1646			
2.6	100	MV2114	2.0	150	MV1648			
2.6	100	MV2115	2.0	150	MV1650			
						2.6	250	MV1652
						2.6	250	MV1654
						2.6	200	MV1656
						2.6	200	MV1658
						2.6	150	MV1660
						2.3*	150	MV1662**
						2.3*	100	MV1664**
						2.3*	100	MV1666**