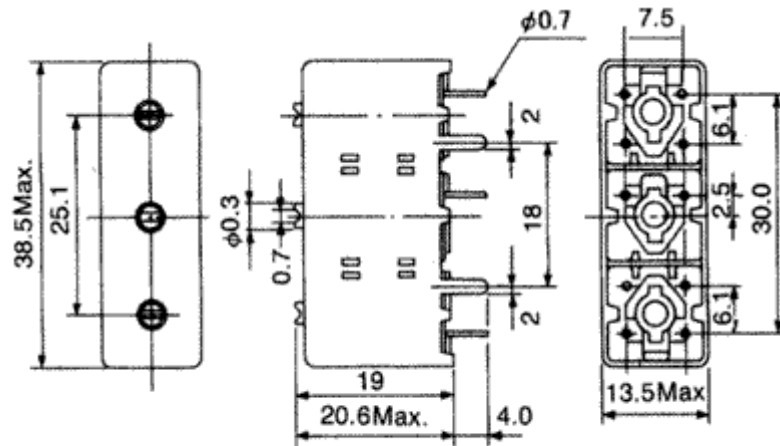


CBT13 Series (TRIPLE TUNED)



Unit: mm

Technical Specification

Frequency Range : 96MHz - 220MHz
Input/Output : 50 ohm
except :
272MT1006A = 500 ohm
272MT1019 = 500 ohm
272MT1021A = 500 ohm

Features

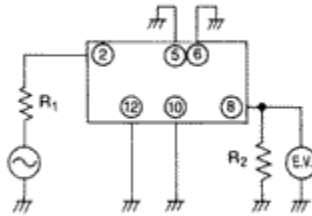
- Good performance relative to size.
- Superior resistance to shock, vibration, temperature and humidity variation.
- Ideal for the VHF band, such as CATV, where low insertion and high selectivity are important.
- Nickel plated copper shield reduces insertion loss and improves selectivity.
- Brass tuning slug for inductance adjustment is a block form precisely fitted to a threaded adjustment screw for very fine adjustment.
- A spring between the block and the top of the shield provides additional pressure to maintain setting and a constant grounding path.
- Coil form dimensions are precisely controlled through the use of high quality moulds during fabrication to ensure consistent spacing between grooves and a constant winding pitch.
- Superior consistency in the coil winding which in turn results in higher stability electrical characteristics.
- Dividing plate between coil formers is soldered to maintain a consistent reference point (window) between resonators for precise coupling.
- Coil bobbin and base are formed from a specially compounded material with low insertion loss and produces outstanding stability against changes in temperature and humidity.
- Terminals feature rounded ends to facilitate PCB insertion and are presoldered for reliable connections.
- Grounding tabs on cavity simplify grounding and improve stability.
- All are 50 ohm I/O impedance except 272MT1006A, 272MT1019, 272MT1021A which are 500 ohm.

TOKO CBW1T TRIPLE TUNED HELICAL FILTERS

TOKO Ref	Centre Freq(MHz)	BW-1dB (MHz)	Selectivity (Fo min)		Ripple (dB)	Ins.Loss (dB)	BEC Ref
			-MHz/dB	+MHz/dB			
272MT-1173A	100	4.0 @-3dB	30(15)	30(15)	1	4	087173
272MT-1230D	107	3.0 @-3dB	33(10)	22(15)	1	4.5	087230
272MT-1180A	110	3.0 @-3dB	37(10)	30(10)	1	5.5	087180
272MT-1177D	124	3.5 @-3dB	21(6)	17(6)	1	3.5	087177
272MT-1175D	130	3.0 @-3dB	21(5)	18(5)	1	5.5	087175
272MT-1176D	133.7	3.5 @-3dB	23(6)	18(6)	1	3.5	087176
272MT-1116A	134	5.0 @-1dB	24(15)	24(15)	1	3	087116
272MT-1169D	137.5	2.0 @-1dB	35(10)	30(10)	1	4.5	087169
272MT-1117D	140.21	3.7 @-1dB	26(10)	25(10)	1	3	087117
272MT-1119D	143	3.0 @-1dB	35(10)	22(10)	1	4	087119
272MT-1006A	145	2.8 @-3dB	25(6)	25(6)	5	8	085170
272MT-1008A	145	1.2 @-3dB	30(6)	30(6)	5	8	085180
272MT-1181D	147	4.0 @-3dB	20(6)	15(6)	1	3.5	087181
272MT-1021A	155	1.8 @-1dB	20	20		6	085186
272MT-1219A	156.7	1.5 @-3dB	33(6)	25(6)	1	7	087219
272MT-1124D	157	3.5 @-3dB	17(6)	13(6)	1	3.5	087124
272MT-1174A	159	7.0 @-3dB	35(20)	33(20)	1	3	087174
272MT-1019	160	1.2 @-1dB	20(5)	20(5)		6	085185
272MT-1123A	160	2.0 @-3dB	17(6)	15(6)	1	6	087123
272MT-1221A	161	2.2 @-1dB	32(10)	40(10)	1	4.5	087221
272MT-1218A	161.3	1.5 @-3dB	30(6)	25(6)	1	7	087121
272MT-1148A	164	0.8 @-1dB	35(5)	29(5)	1	8.5	087148
272MT-1118D	165	3.9 @-1dB	15(10)	16(10)	1	3	087118
272MT-1120A	169	3.5 @-3dB	35(10)	25(10)	1	6	087120
272MT-1013A	170	1.5 @-3dB	25(6)	25(6)	1	8	087113
272MT-1007A	170	1.0 @-1dB	31(5)	30(5)	5	9	085175
272MT-1125D	171	4.4 @-1dB	16(10)	14(10)	1	2.5	087125
272MT-1126F	177	4.0 @-1dB	15(10)	13(10)	1	3	087126
272MT-1127F	183	4.0 @-1dB	17(10)	17(10)	1	3	087127
272MT-1131A	185	3.0 @-3dB	24(6)	20(6)	1	5	087131
272MT-1128F	189	4.0 @-1dB	19(10)	18(10)	1	3.5	087112
272MT-1208A	194.5	3.0 @-3dB	40(15)	35(15)	1	4.5	087218

272MT-1129F	195	4.2 @-1dB	18(10)	18(10)	1	3	087129
272MT-1182A	196	3.0 @-1dB	32(10)	31(10)	1	5	087182
272MT-1195A	200	3.0 @-3dB	19(6)	17(6)	1	7	087195
272MT-1130F	201	4.5 @-1dB	16(10)	16(10)	1	3	087130
272MT-1132A	215	4.0 @-3dB	15(6)	14(6)	1	4	087132
272MT-1209A	220	5.0 @-3dB	40(15)	30(15)	1	4.5	087229
272MT-1146A	223	4.0 @-3dB	24(10)	18(10)	1	4.5	087146
272MT-1188A	226.4	2.5 @-3dB	32(10)	25(10)	1	6	087188
272MT-1080A	223	2.6 @-1dB	28(10)	40	1	6	087080
TOKO Ref CBT 272MT Series		1+ 7.65	25+ 6.40	100+ 5.05	500+ POA	1000+ POA	5000+ POA

Test Circuits (Bottom View)



Note: Case lugs must be grounded.