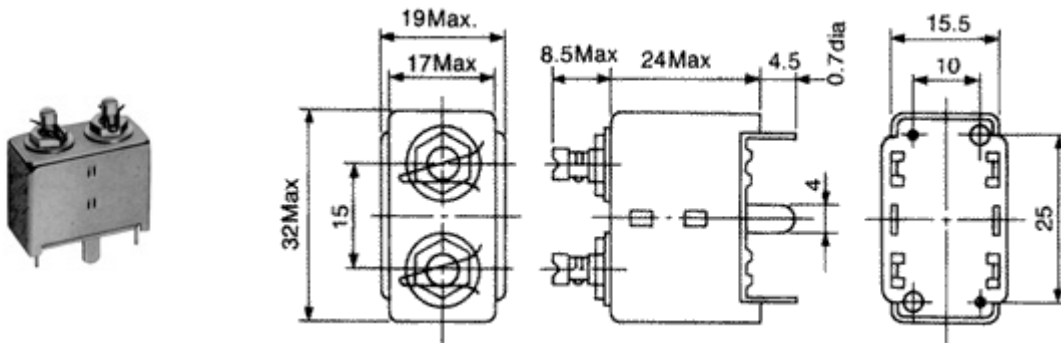


HRW / HRQ Series

Features

- Q is extremely high, typically 700 to 1000.
- Very good stability at centre freq for drift, bandwidth, selectivity, ripple and low insertion loss.
- Ideal for multi stage circuits in UHF communications equipment, mobile radios, satellite base stations, and measuring instruments such as spectrum analysers.
- Base of cavity is filled with a silver plated shield to greatly reduce spurious responses.
- Coil bobbin and base are formulated from a specially compounded material which promotes low insertion loss and produces outstanding stability against changes in temperature and humidity.
- For distributed capacitance adjustment, the tuning slug is a block form precisely fitted to a threaded adjustment screw for very fine adjustments.
- A spring between the block and the top of the shield provides additional pressure to maintain setting and a constant grounding path.
- Tap is welded (not soldered) to the winding to ensure connection is held tight under extreme conditions.
- Terminals feature rounded ends to facilitate PCB insertion and are pre-soldered.
- [Test circuits.](#)

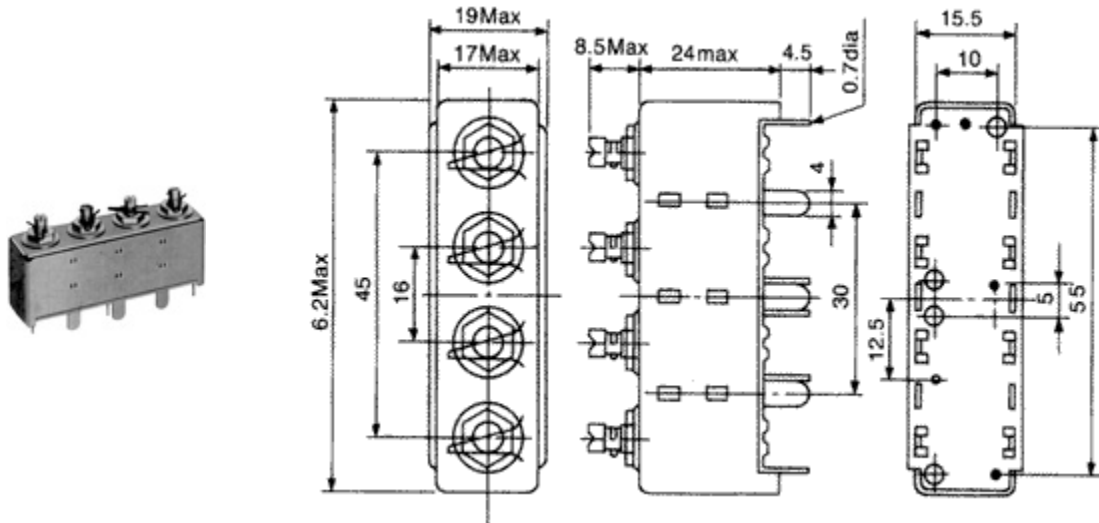
HRW Series (DOUBLE TUNED)



TOKO HRW DOUBLE TUNED HELICAL FILTERS

TOKO Ref	Centre Freq(MHz)	BW-1db (MHz)min	Selectivity(dB) Fo min		Ripple (dB)	Ins.Loss (dB)	Approx Tuning Range (MHz)	BEC Ref
			+20MHz	-20MHz				
231MT1033A	387.5	3.5	18	23	1	3	380-400	087033
231MT1032A	407.5	4	19	22	1	2.5	400-420	087032
231MT1031A	427.5	5	12	15	1	2	420-430	087031
Fo+30MHz Fo-MHz								
231MT1018A	432.5	3.5	21	28	1	4.5	430-450	087018
231MT1026A	457.5	4	21	25	1	4	450-470	087026
231MT1027A	477.5	4	21	25	1	4	470-490	087027
231MT1028A	497.5	4	18	25	1	4	490-512	087028

HRQ Series (QUADRUPLE TUNED)



TOKO HRQ TRIPLE TUNED HELICAL FILTERS

TOKO Ref	Centre Freq(MHz)	BW-3dB (MHz)	Selectivity(dB) Fo min		Ripple (dB)	Ins.Loss (dB)	Approx Tuning Range(MHz)	BEC Ref
			+15MHz	-15MHz				
232MT1023A	407.5	7.5	33	33	3	7.5	400-420	087023
232MT1024A	427.5	7	33	33	2	4	420-430	087024
232MT1001A	435.0	10	25	25	3	4	421-448	080200
232MT1051A	440.0	10	23	25	2	3.5	430-450	087051
232MT1009A	452.5	12	21	25	2	3.5	450-470	087009
232MT1021A	470.0	6	30	30	3	8	453-488	080205
232MT1013A	477.5	10	20	23	3	3.5	470-490	087013
232MT1014A	497.5	12	15	20	3	3.5	490-512	087014