

Specimen Specification
915MHz HELICAL FILTER
Part: TT67218A-915M

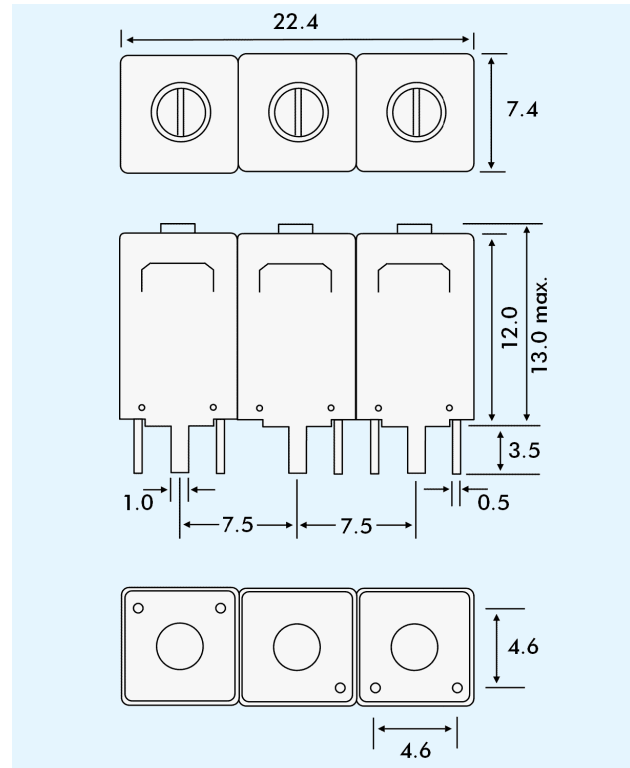
DESCRIPTION

Helical filters offer a variety of benefits in comparison with SAW filters including customer specification of centre frequency and bandwidth, no initial design charges, lower insertion losses and lower impedance. In addition, the simpler design of helical filters enables smaller quantities to be produced economically and with quicker delivery.

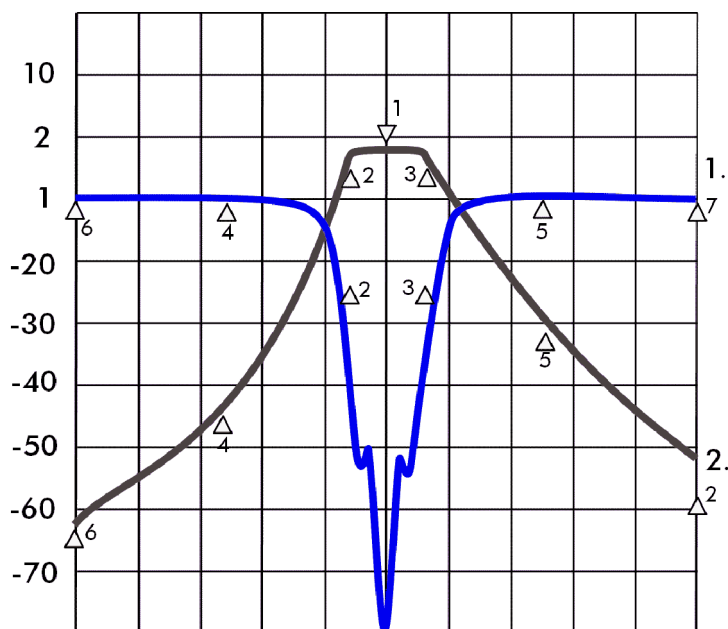
GENERAL SPECIFICATION

	Specified	Typical
Centre Frequency:	915.0MHz ±0.5%	
Insertion Loss:	±4.0dB	±2.6dB
-3dB Bandwidth:	25MHz	27MHz
Sensitivity		
Fo -50MHz:	37dBc	40dBc
Fo +50MHz:	27dBc	30dBc
Fo -100MHz:	56dBc	59dBc
Fo +100MHz:	46dBc	49dBc
Return Loss:	-12dB	-41.1dB
Ripple:	< 1dB	1dB
Group Delay:	ns	
Impedance:	In/Out: 50W	
Temperature Conditions		
Operating:	0° to +60°C	
Storage:	-20° to +70°C	
Poles:	3	
Case Style:	7H3	

OUTLINES AND DIMENSIONS

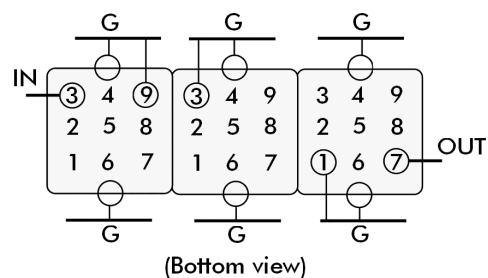


PERFORMANCE DATA



Meas 1: Mkr 1 915.000MHz
 -43.925dB
 Meas 2: Mkr 2 915.000MHz
 -2.602dB

CONNECTION SCHEMATIC



PERFORMANCE DATA

Marker 1 (MHz)	dB	Marker 2 (MHz)	dB
1: 915.0000	-43.925	1: 915.0000	-2.602
2: 901.8000	-7.075	2: 901.8000	-5.744
3: 928.6667	-6.759	3: 928.6667	-5.512
4: 865.0000	-0.003	4: 865.0000	-42.030
5: 965.0000	-0.072	5: 965.0000	-32.567
6: 815.0000	0.115	6: 815.0000	-60.418
7: 1015.000	0.154	7: 1015.000	-51.160