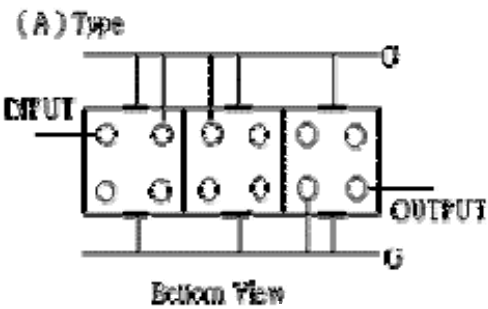
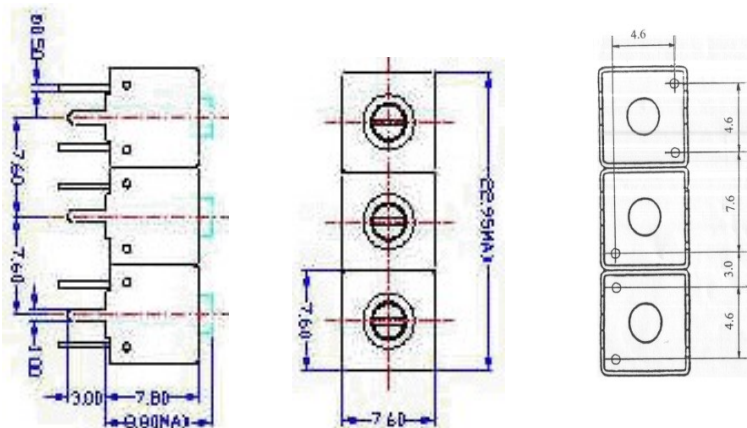


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3131A-725M
Approval No. /dated	20110018DC	Acceptable Specify Fo. Range	701~750MHz
Work Instruction No.	20110018DC	Date	2001.10.15

<p>(1) Pin Position</p>  <p style="text-align: center;">Bottom View</p>	<p>(2) Size Diagram</p> 
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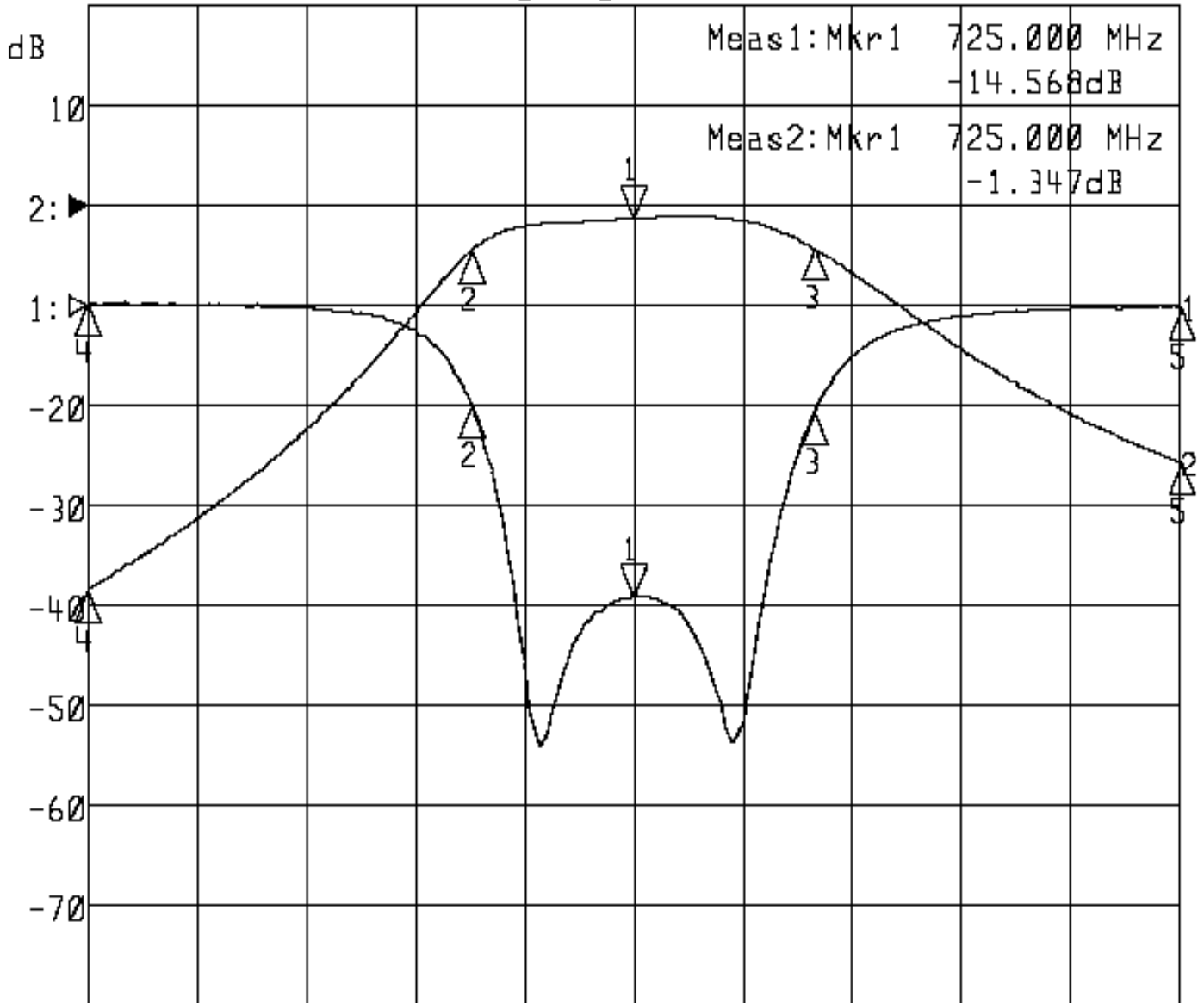
(3) Electric Character			
Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	725 MHz	725 MHz	
Tunable Range	725±5 MHz	725±5 MHz	
Insertion Loss	Typ. 2.0 dB	1.3 dB	
-3 dB Bandwidth	Typ. 55 MHz	62 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 33 dBc	36 dBc
	Fo + 100 MHz	Typ. 21 dBc	24 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	14.5 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	
(4) Torque for Tuning Screw			
> 100gf · cm			
(5) Temperature Condition:			
Operating Temperature		0°C ~ +60°C	
Storage Temperature		-20°C ~ +70°C	
(6) Input Power			
> 1Watt			
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S3 (4*5.2) 7S046LB4

TEMWELL CORPORATION

Performance-TTS3131A-725M

20110018DC

▷1:S11 Refl Port1 Log Mag 5.0 dB/ Ref 0.00 dB C
▶2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Center 725.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 725.0000	-14.568	1> 725.0000	-1.347
2: 695.4000	-5.019	2: 695.4000	-4.410
3: 758.1333	-5.314	3: 758.1333	-4.329
4: 625.0000	0.106	4: 625.0000	-38.410
5: 825.0000	-0.112	5: 825.0000	-25.729