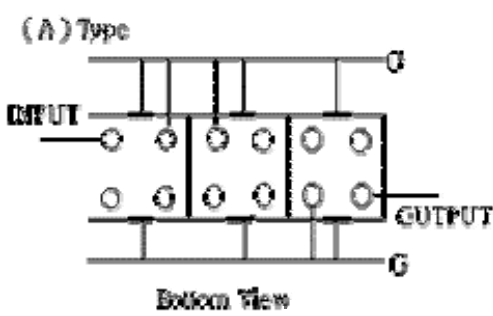
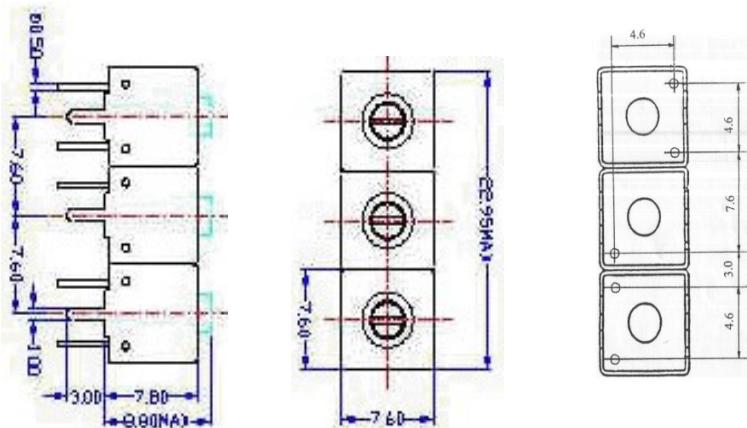


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3291A-1400M
Approval No. /dated	20104032DC	Acceptable Specify Fo. Range	1301~1500MHz
Work Instruction No.	20104032DC	Date	2001.4.17

<p>(1) Pin Position</p>  <p>(A) Type Bottom View</p>	<p>(2) Size Diagram</p> 
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(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		1400 MHz	1400 MHz
Tunable Range		1400 ±10 MHz	1400 ±10 MHz
Insertion Loss		Typ. 5.0 dB	4.3 dB
-3 dB Bandwidth		Typ. 23 MHz	30 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 45 dBc	48 dBc
	Fo + 100 MHz	Typ. 39 dBc	42 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	34.4 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	7S3S (4*5.2) 7S046LB4

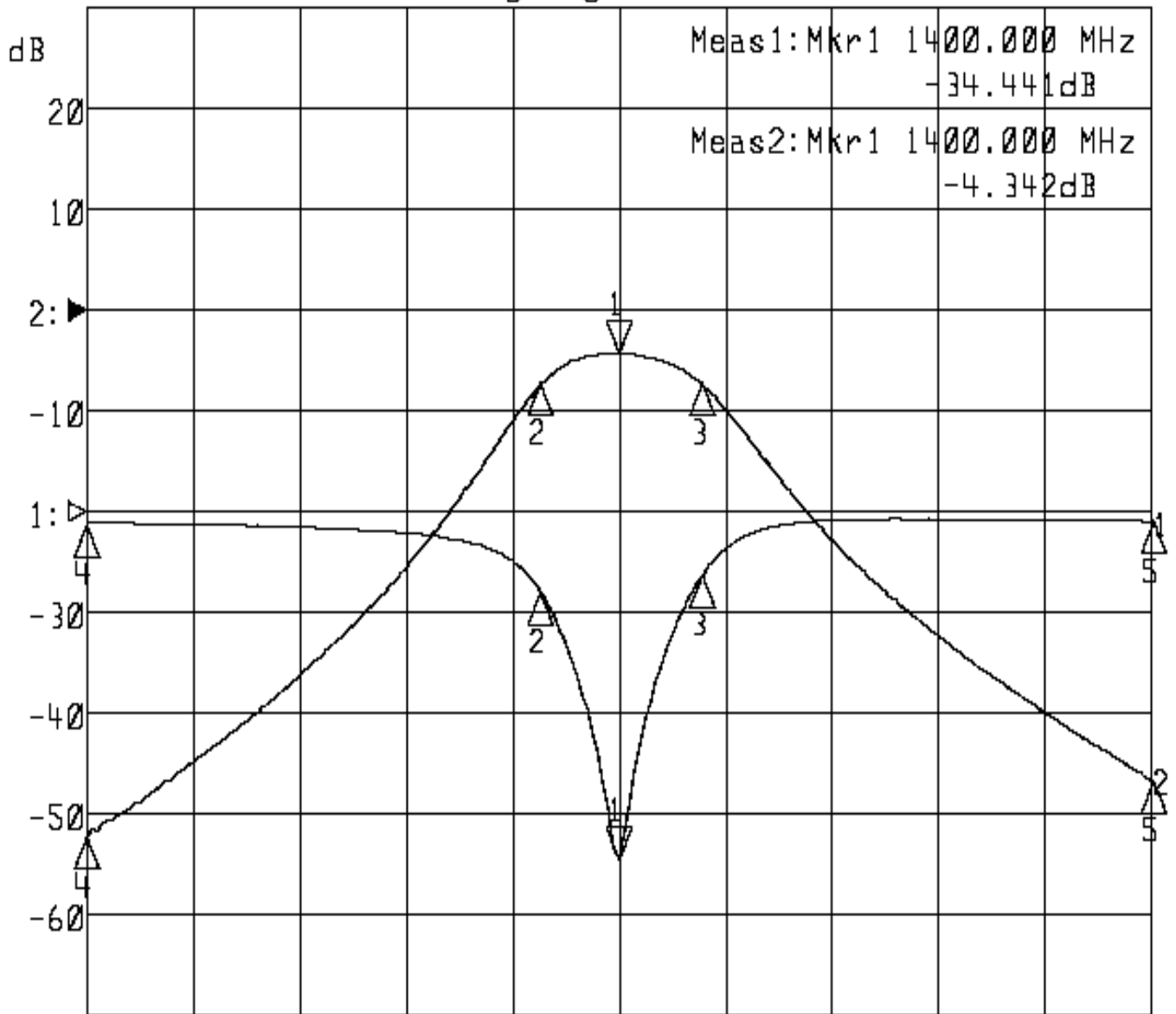
TEMWELL CORPORATION

Performance-TTS3291A-1400M

20104032DC

▷1:S11 Refl Port1 Log Mag 10.0 dB/ Ref 0.00 dB C

▶2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Center 1 400.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 1400.0000	-34.441	1> 1400.0000	-4.342
2: 1385.4000	-7.971	2: 1385.4000	-7.347
3: 1415.6000	-6.337	3: 1415.6000	-7.348
4: 1300.0000	-1.132	4: 1300.0000	-52.365
5: 1500.0000	-1.038	5: 1500.0000	-46.704