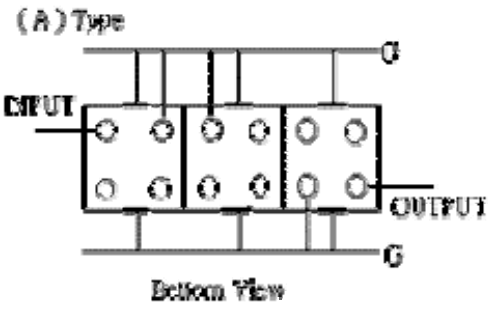
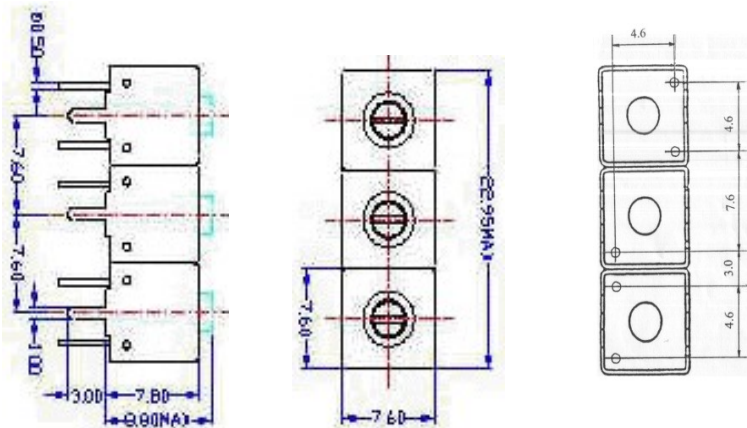


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3047A-314M
Approval No. /dated	20103084DC	Acceptable Specify Fo. Range	311~355MHz
Work Instruction No.	20103084DC	Date	2001/03/30

<p>(1) Pin Position</p>  <p style="text-align: center;">(A) Type Bottom View</p>	<p>(2) Size Diagram</p> 
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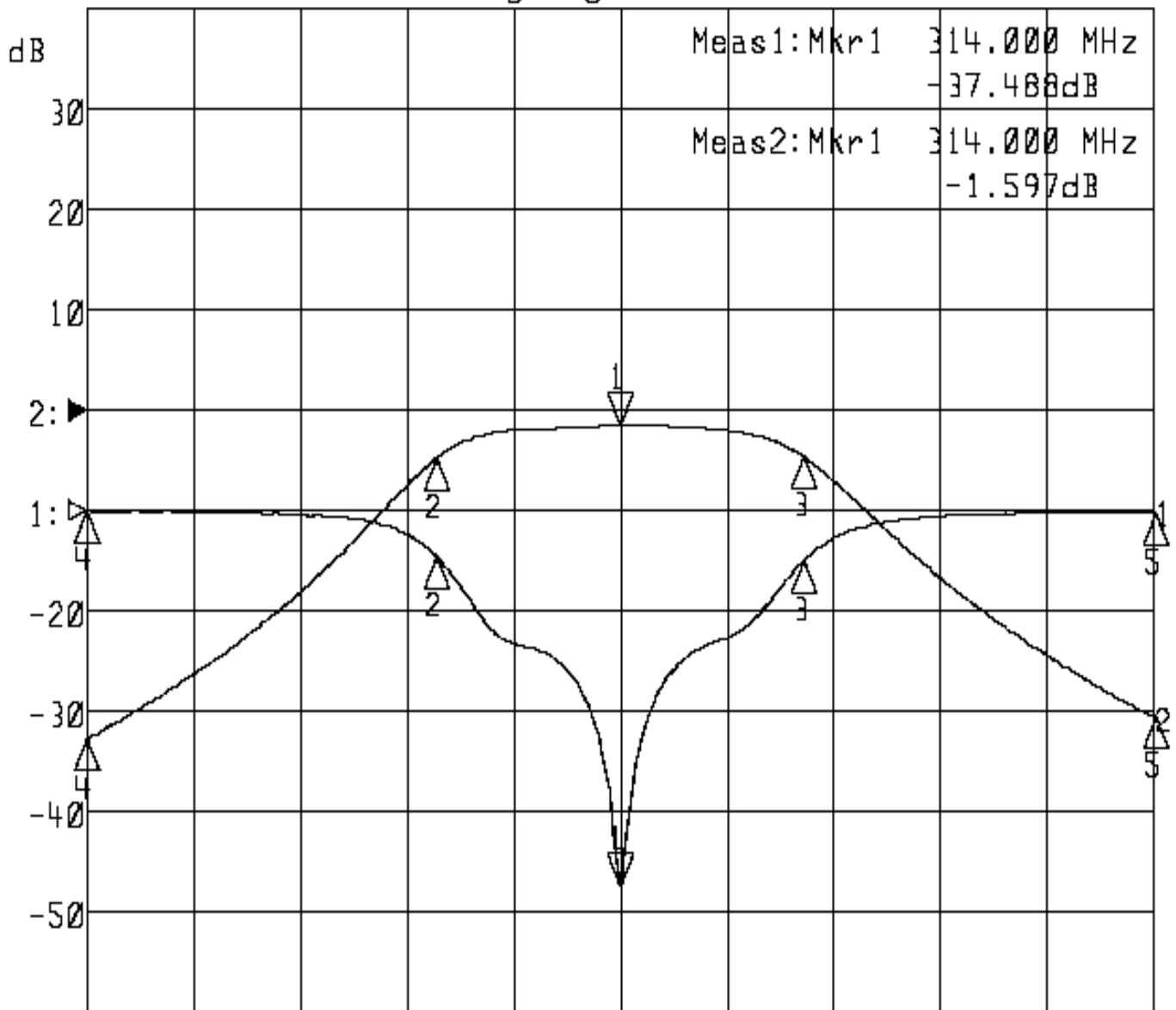
(3) Electric Character			
	Item	Specify	Performance
	Center Freq.(Fo) +/- 0.5 %	314 MHz	314 MHz
	Tunable Range	314±45 MHz	314±4 MHz
	Insertion Loss	Typ. 2.5 dB	1.6 dB
	-3 dB Bandwidth	Typ. 31 MHz	34 MHz
	Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 28 dBc
		Fo + 50 MHz	Typ. 26 dBc
		Fo - ()MHz	Typ. dBc
		Fo +()MHz	Typ. dBc
	Return Loss	Min. 12 dB	37.4 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) 7S024RB5.5
TEMWELL CORPORATION			

Performance-TTS3047A-314M

20103084DC

▷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 314.000 MHz

Span 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 314.0000	-37.488	1> 314.0000	-1.597
2: 296.8667	-4.573	2: 296.8667	-4.665
3: 331.1333	-5.067	3: 331.1333	-4.550
4: 264.0000	-0.121	4: 264.0000	-32.782
5: 364.0000	-0.147	5: 364.0000	-30.529