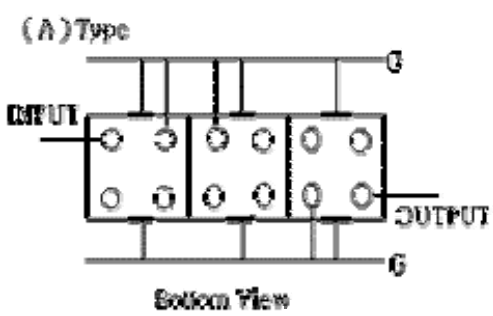
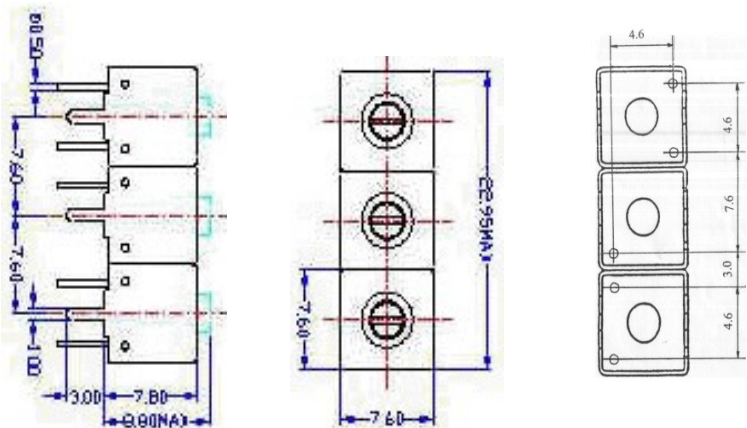


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3035A-300M
Approval No. /dated	20103069DC	Acceptable Specify Fo. Range	276~310MHz
Work Instruction No.	20103069DC	Date	2001.03.30

(1)Pin Position	(2)Size Diagram
 <p>(A) Type Bottom View</p>	

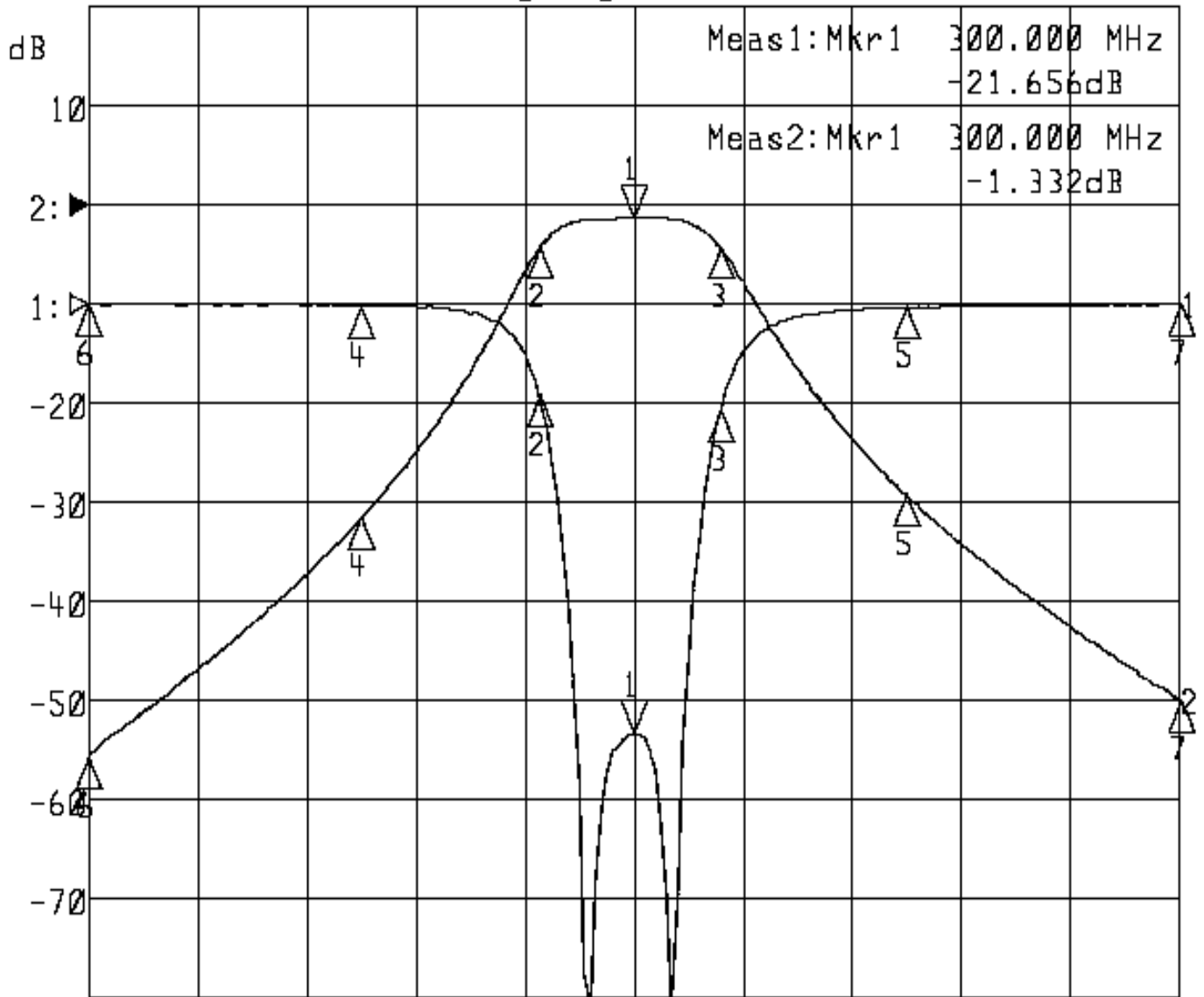
(3)Electric Character			
	Item	Specify	Performance
	Center Freq.(Fo) +/- 0.5 %	300 MHz	300 MHz
	Tunable Range	300±4 MHz	300±4 MHz
	Insertion Loss	Typ. 2.0 dB	1.3 dB
	-3 dB Bandwidth	Typ. 30 MHz	33 MHz
	Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 27 dBc
		Fo + 50 MHz	Typ. 24 dBc
		Fo - (100)MHz	Typ. 51 dBc
		Fo +(100)MHz	Typ. 45 dBc
	Return Loss	Min. 15 dB	21.6 dB
	Ripple	< 1 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) 7S024RB5.5

TEMWELL CORPORATION

Performance-TTS3035A-300M

20103069DC

▶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 300.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 300.0000	-21.656	1> 300.0000	-1.332
2: 282.6667	-4.632	2: 282.6667	-4.355
3: 315.8667	-5.337	3: 315.8667	-4.342
4: 250.0000	-0.097	4: 250.0000	-31.618
5: 350.0000	-0.170	5: 350.0000	-29.336
6: 200.0000	-0.033	6: 200.0000	-55.849
7: 400.0000	0.016	7: 400.0000	-49.968