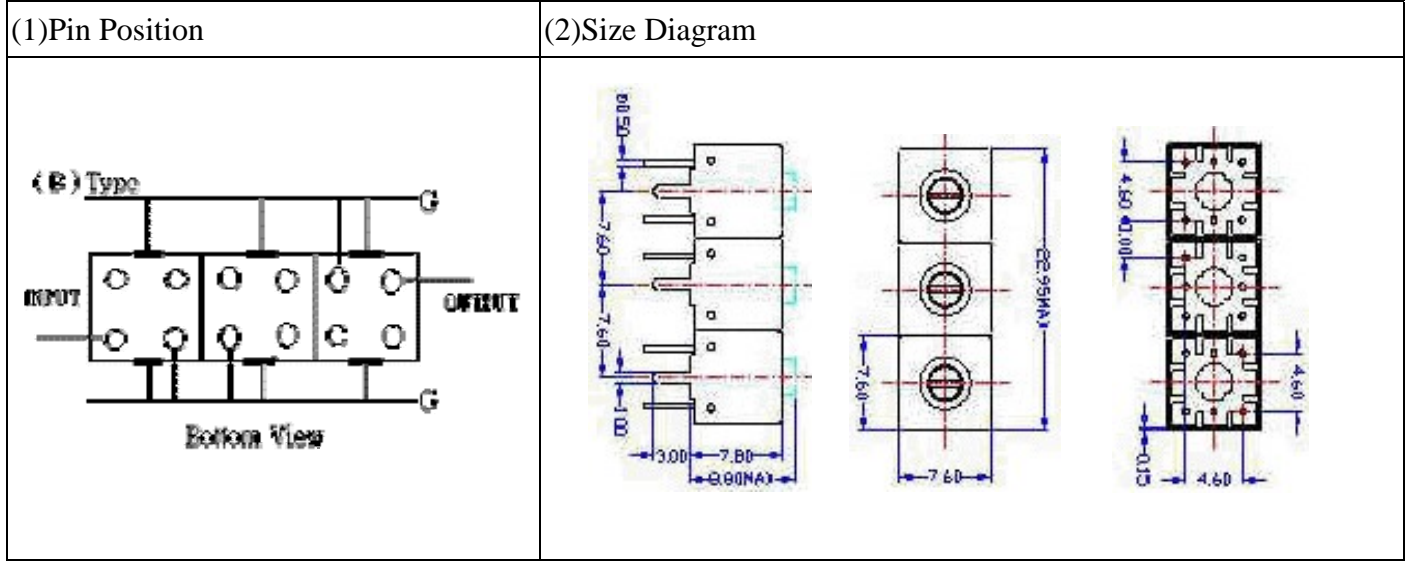


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3068B-420M
Approval No. /dated	20104014DB	Acceptable Specify Fo. Range	401~455MHz
Work Instruction No.	20104014DB	Date	2001.04.11



(3) Electric Character					
Item		Specify		Performance	
Center Freq.(Fo) +/- 0.5 %		420 MHz		420 MHz	
Tunable Range		420±5 MHz		420±5 MHz	
Insertion Loss		Typ. 4.5 dB		3.8 dB	
-1 dB Bandwidth		Typ. 11 MHz		15 MHz	
-3 dB Bandwidth		Typ. 16 MHz		20 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 41 dBc		44 dBc	
	Fo + 50 MHz	Typ. 33 dBc		36 dBc	
	Fo - ()MHz	Typ. dBc		dBc	
	Fo +()MHz	Typ. dBc		dBc	
Return Loss		Min. 12 dB		17.1 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		> 1 Watt			
Approval	Supervisor	Designer		Aperture size	
C.Y.Chang	C.S.Chang	C.S.Chang		7S3S (4*3.5) 7S024RB5.5	

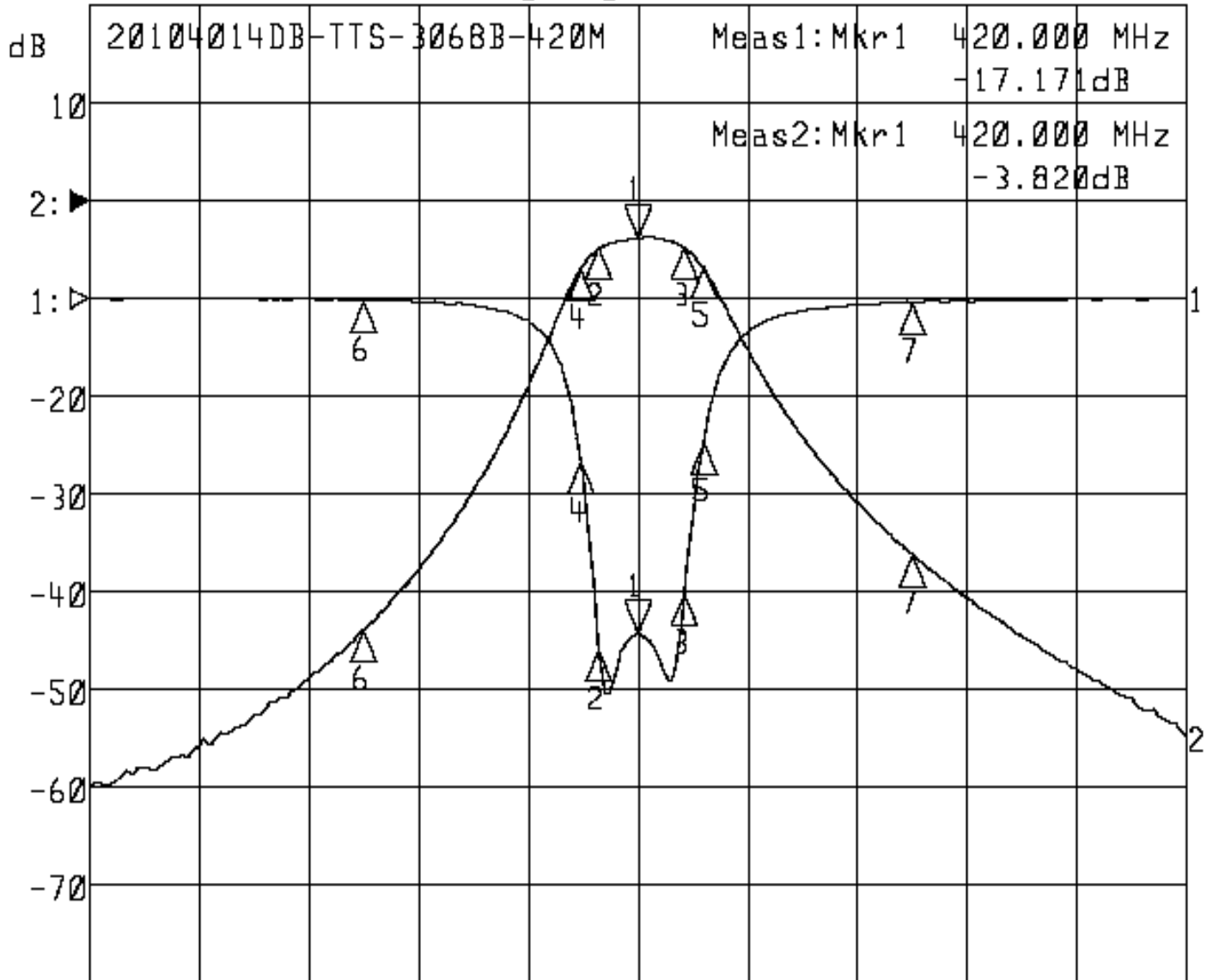
TEMWELL CORPORATION

Performance-TTS3068B-420M

20104014DB

▷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 420.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 420.0000	-17.171	1> 420.0000	-3.820
2: 413.0000	-17.986	2: 413.0000	-4.853
3: 428.4667	-15.111	3: 428.4667	-4.761
4: 409.6667	-8.313	4: 409.6667	-6.897
5: 431.8667	-7.411	5: 431.8667	-6.808
6: 370.0000	-0.103	6: 370.0000	-43.889
7: 470.0000	-0.231	7: 470.0000	-36.177