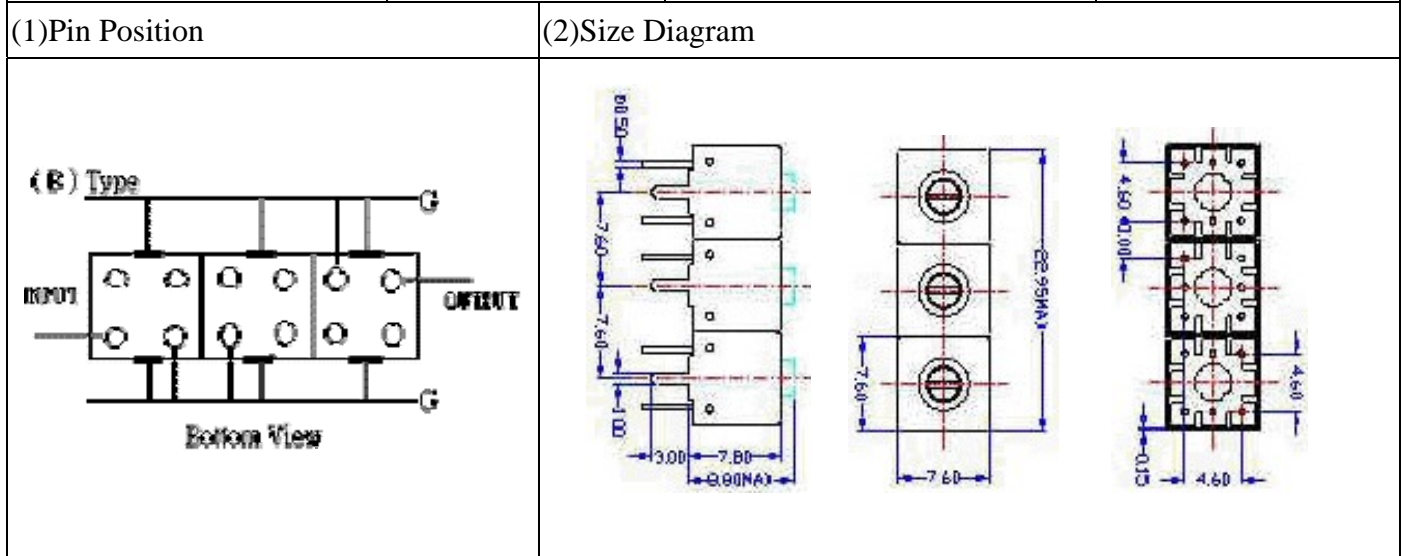


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3076B-470M
Approval No. /dated	20104019DB	Acceptable Specify Fo. Range	456~515MHz
Work Instruction No.	20104019DB	Date	Apr.11.2001

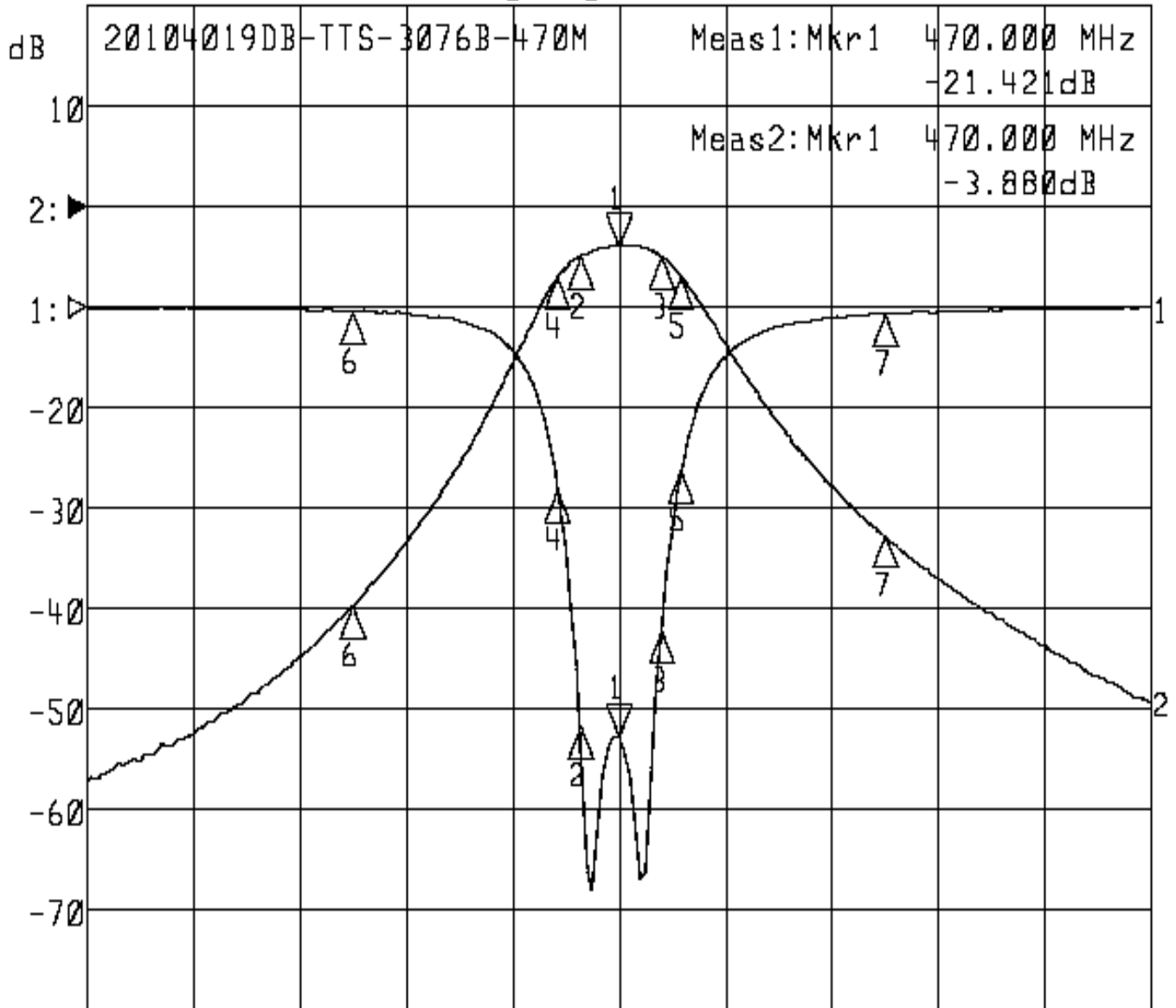


(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		470 MHz	470 MHz
Tunable Range		470±5 MHz	470±5 MHz
Insertion Loss		Typ. 4.5 dB	3.8 dB
-1 dB Bandwidth		Typ. 13 MHz	15 MHz
-3 dB Bandwidth		Typ. 18 MHz	20 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 33 dBc	36 dBc
	Fo + 50 MHz	Typ. 26 dBc	29 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	21.4 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*3.5) 7S024RB5.5
TEMWELL CORPORATION			

Performance-TTS3076B-470M

20104019DB

▷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 470.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 470.0000	-21.421	1> 470.0000	-3.880
2: 462.6667	-20.903	2: 462.6667	-4.917
3: 477.8667	-16.178	3: 477.8667	-4.890
4: 458.6000	-9.101	4: 458.6000	-6.921
5: 481.7333	-8.156	5: 481.7333	-6.954
6: 420.0000	-0.217	6: 420.0000	-39.782
7: 520.0000	-0.338	7: 520.0000	-32.834