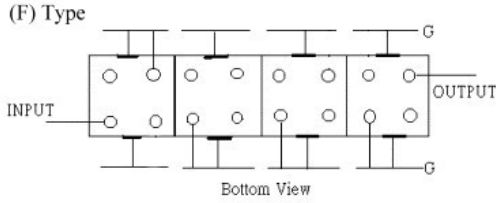
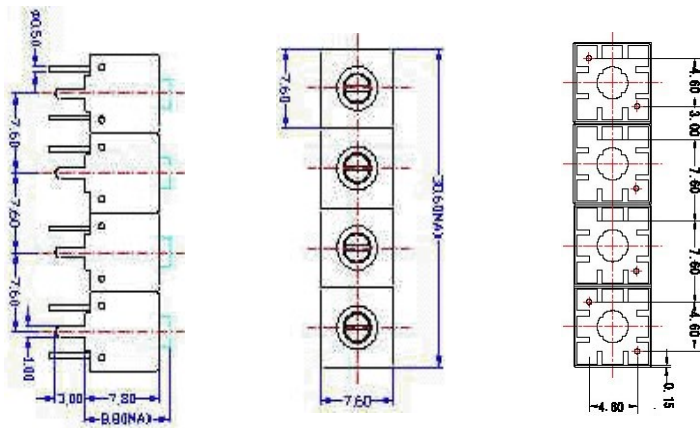


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFS4060F-421M
Approval No. /dated	20210072DB	Acceptable Specify Fo. Range	401~455MHz
Work Instruction No.	20210072DB	Date	2002.10.28

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

(3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	421 MHz	421 MHz	
Insertion Loss	Typ. 4.0 dB	3.2 dB	
-3 dB Bandwidth	Typ. 13 MHz	17 MHz	
Sensitivity (Attenuation)	Fo - 20 MHz	Typ. 23 dBc	26 dBc
	Fo + 20 MHz	Typ. 17 dBc	20 dBc
	Fo - (38)MHz	Typ. 48 dBc	51 dBc
	Fo +(38)MHz	Typ. 38 dBc	41 dBc
Return Loss	Min. 12 dB	17 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

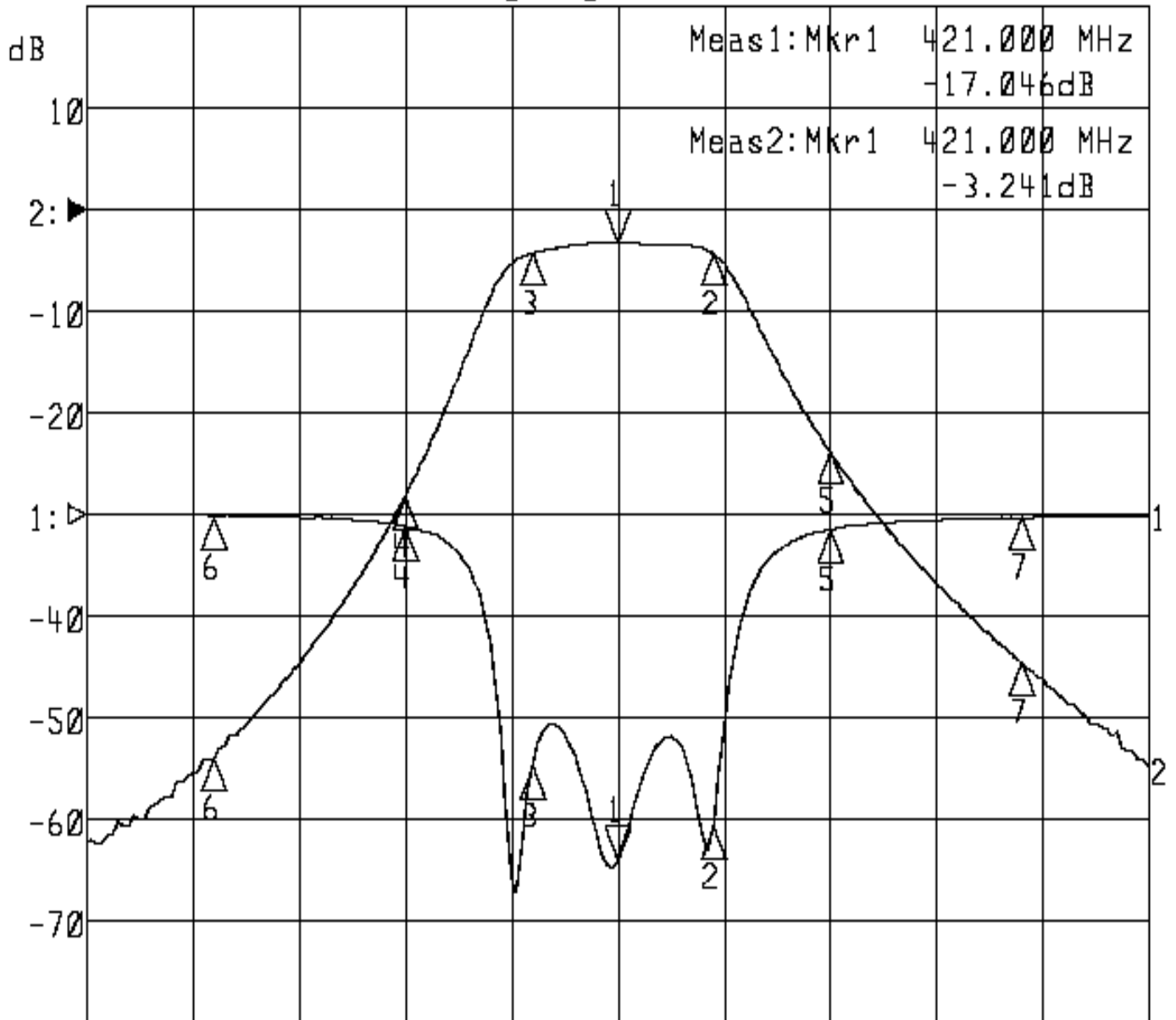
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S4S(4*5.2) 7S024LB5

TEMWELL CORPORATION

Performance-TFS4060F-421M

20210072DB

▶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



Meas1:Mkr1 421.000 MHz
 -17.046 dB
 Meas2:Mkr1 421.000 MHz
 -3.241 dB

Center 421.000 MHz

Span 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 421.0000	-17.046	1> 421.0000	-3.241
2: 429.9333	-15.378	2: 429.9333	-4.273
3: 412.9333	-12.362	3: 412.9333	-4.263
4: 401.0000	-0.591	4: 401.0000	-28.146
5: 441.0000	-0.728	5: 441.0000	-23.873
6: 383.0000	-0.073	6: 383.0000	-54.065
7: 459.0000	-0.165	7: 459.0000	-44.500