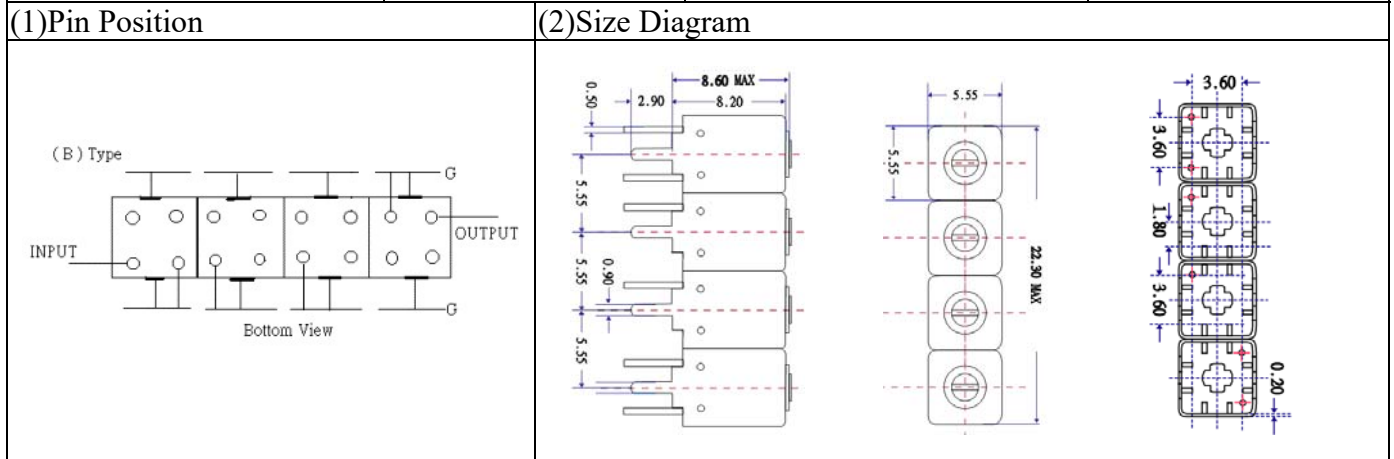


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4701B-1725M
Approval No. /dated		Temwell's Print name	4701B 1725M
Work Instruction No.	202004040CD	Date	Jun.18.2020



(3) Electric Characteristic

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1725 MHz	1725 MHz	
Insertion Loss	Typ. 7.0 dB	5.83 dB	
-3 dB Bandwidth	Typ. 20 MHz	29.1 MHz	
Sensitivity (Attenuation)	Fo -100 MHz	Typ. 54 dBc	64 dBc
	Fo +100 MHz	Typ. 34 dBc	39 dBc
	Fo -()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	28.8 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

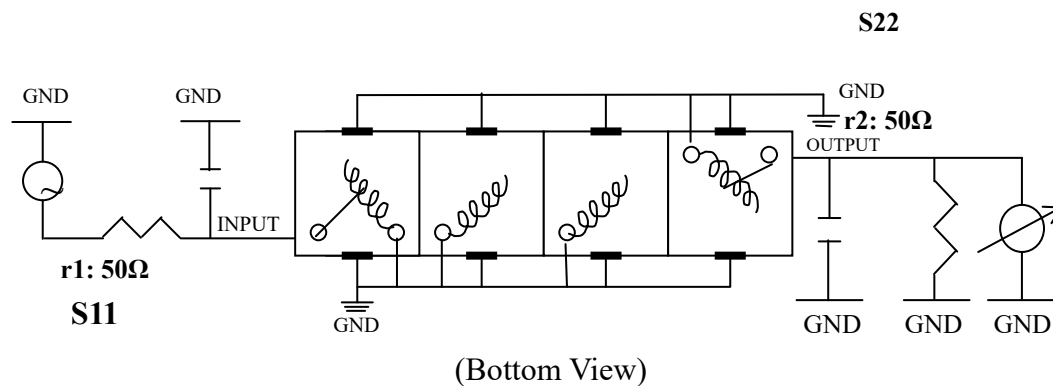
(4) Torque for Tuning Screw > 60gf • cm

(5) Temperature Condition:

Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C

(6) Input Power > 0.5Watt

(7) Measuring Circuit: ※Easy to match Impedance S11/S22 50Ω by parallel with about(- -).



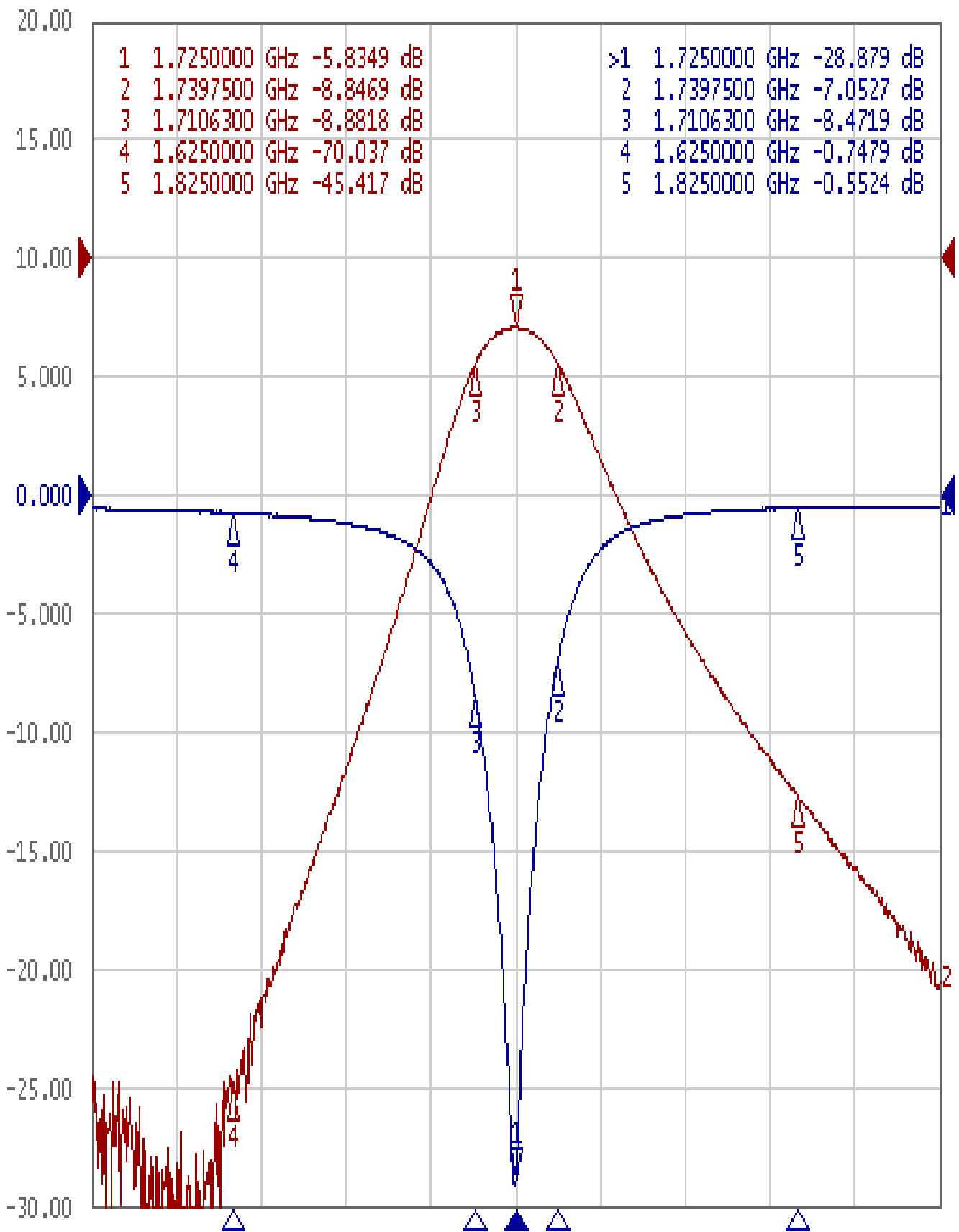
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	Z.Y.Wang	5W4S(3.8*4.0)(4.05) 5HW046RB3.2

TEMWELL CORPORATION

Performance-TFW4701B-1725M

202004040CD

▶ Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F2]
Tr2 S21 Log Mag 10.00dB/ Ref 0.000dB [F2]



1 Center 1.725 GHz

IFBW 70 kHz

Span 300 MHz

Cor !