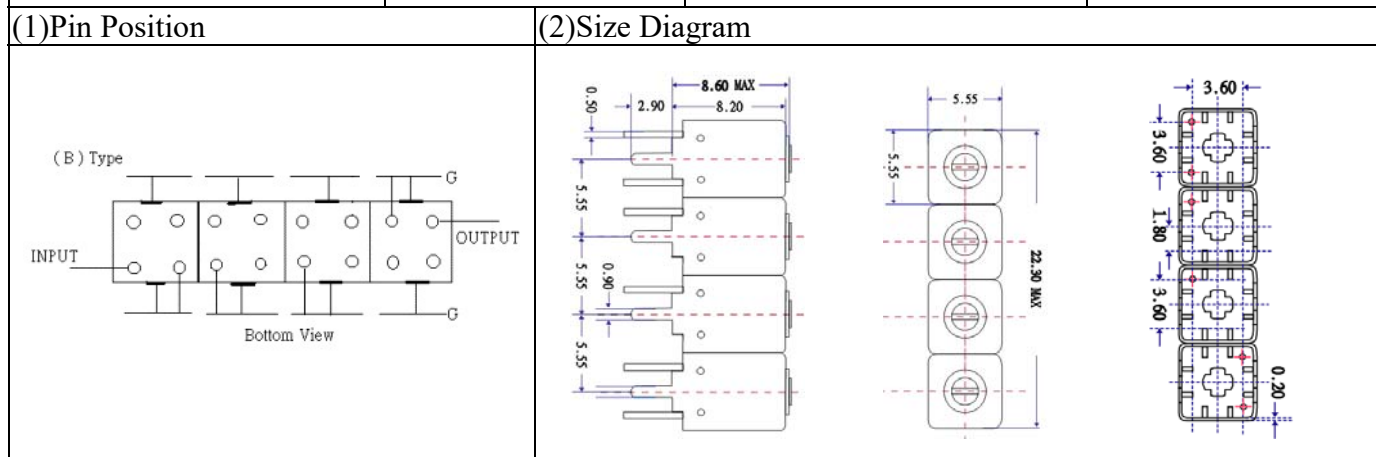


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4705B-2025M
Approval No. /dated		Temwell's Print name	4705B 2025M
Work Instruction No.	202006012CD	Date	Jul.10.2020



(3) Electric Characteristic			
Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	2025 MHz	2025	MHz
Insertion Loss	Typ. 6.0 dB	4.86	dB
-3 dB Bandwidth	Typ. 30 MHz	41.2	MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 63	dBc
	Fo + 100 MHz	Typ. 41	dBc
	Fo - ()MHz	Typ.	dBc
	Fo +()MHz	Typ.	dBc
Return Loss	Min. 12 dB	24.5	dB
Ripple	< 1 dB		dB
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

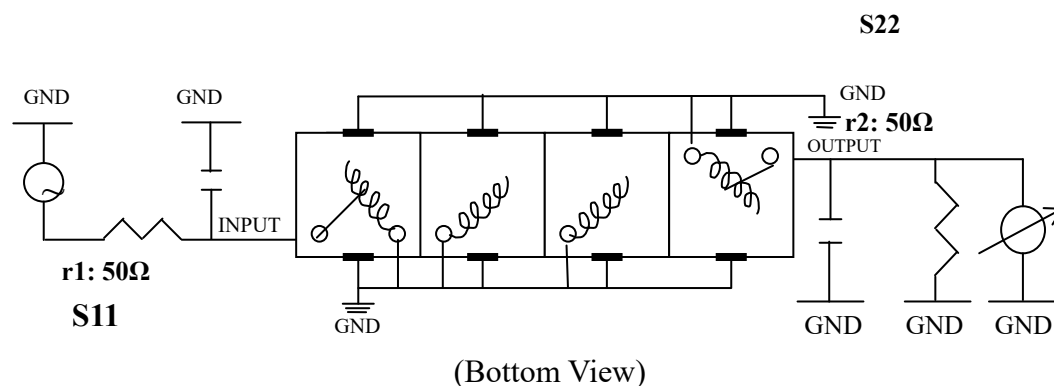
(4) Torque for Tuning Screw > 60gf · cm

(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(- -).



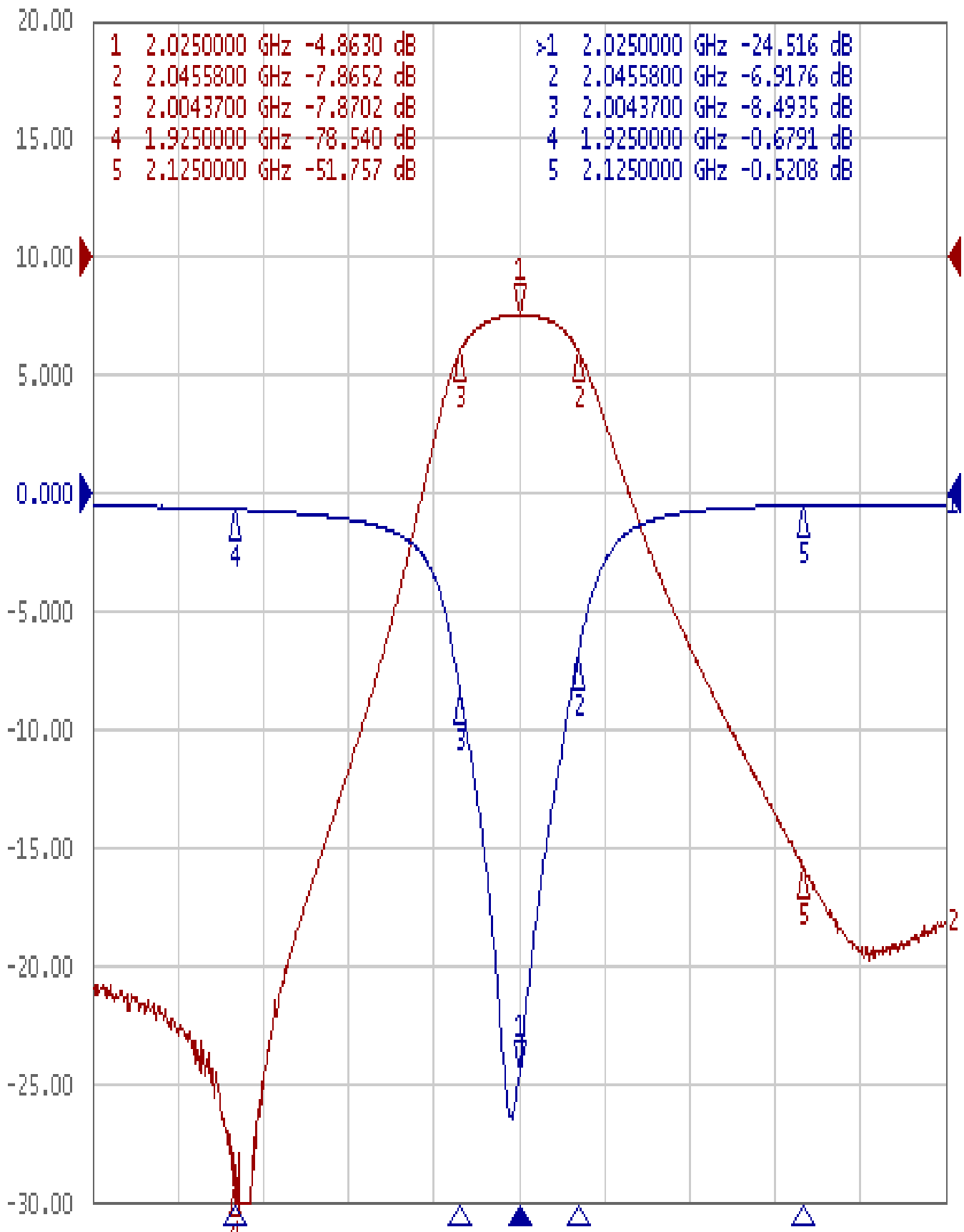
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	Z.Y.Wang	5W4S(3.8*4.0)(4.13) 5HW024RB3(J1)

TEMWELL CORPORATION

Performance-TFW4705B-2025M

202006012CD

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



1 Center 2.025 GHz

IFBW 10 kHz

Span 300 MHz Cor !