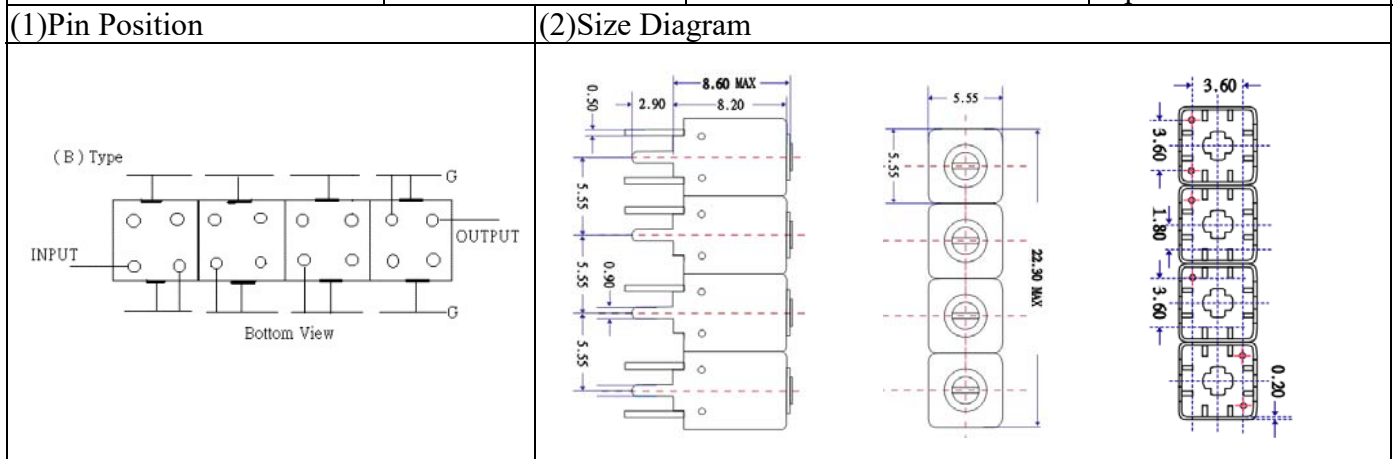


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4708B1-2175M
Approval No. /dated		Temwell's Print name	4708B1 2175M
Work Instruction No.	202007040CD	Date	Sep.15.2020



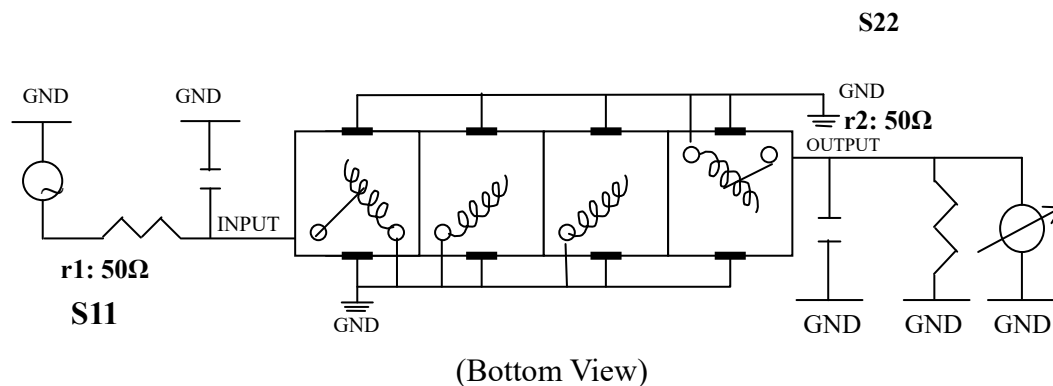
(3)Electric Charasteric			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		2175 MHz	2175 MHz
Insertion Loss		Typ. 7.5 dB	6.20 dB
-3 dB Bandwidth		Typ. 27 MHz	43.2 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 45 dBc	50 dBc
	Fo + 100 MHz	Typ. 32 dBc	37 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	28.7 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(- -).



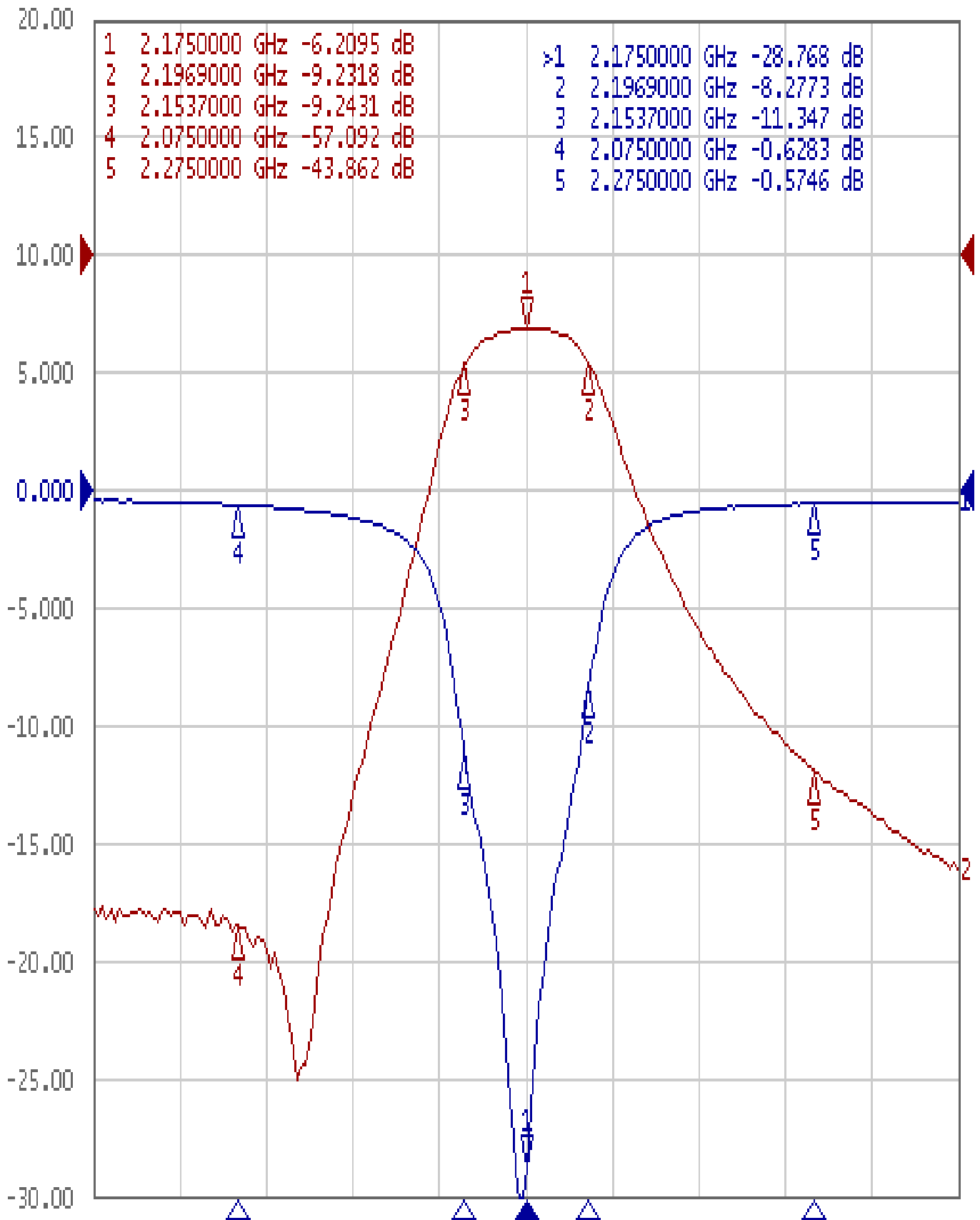
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	W.H.Wang	5W4S(3.8*4.0)(4.11) 5HW024RB3 (J1)

TEMWELL CORPORATION

Performance-TFW4708B1-2175M

202007040CD

Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F2]
Tr2 S21 Log Mag 10.000dB/ Ref 0.000dB [F2]



1 Center 2.175 GHz

IFBW 70 kHz

Span 300 MHz

Cor !