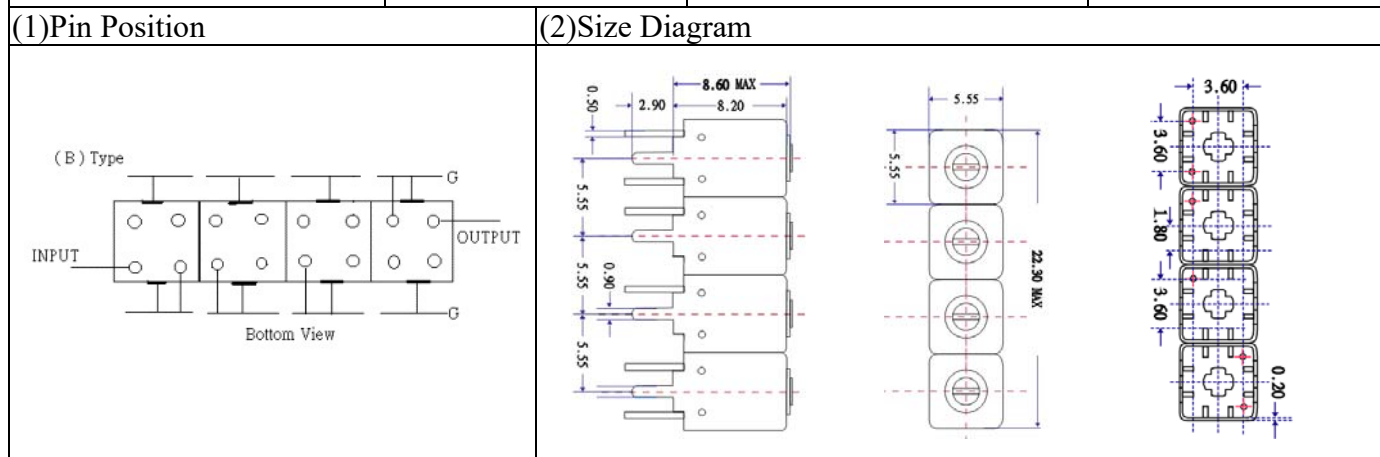


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4797B-2175M
Approval No. /dated		Temwell's Print name	4797B 2175M
Work Instruction No.	202007042CD	Date	Jul.22.2020



(3)Electric Charasteric

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	2175 MHz	2175 MHz	
Insertion Loss	Typ. 4.5 dB	3.57 dB	
-3 dB Bandwidth	Typ. 62 MHz	78.8 MHz	
Sensitivity (Attenuation)	Fo - 150 MHz	Typ. 52 dBc	62 dBc
	Fo + 150 MHz	Typ. 39 dBc	44 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	16.1 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

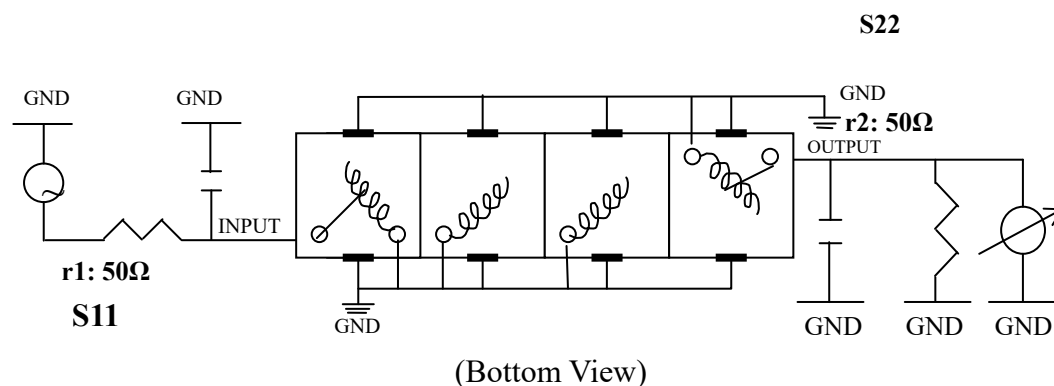
(4)Torque for Tuning Screw > 60gf · cm

(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(- -).



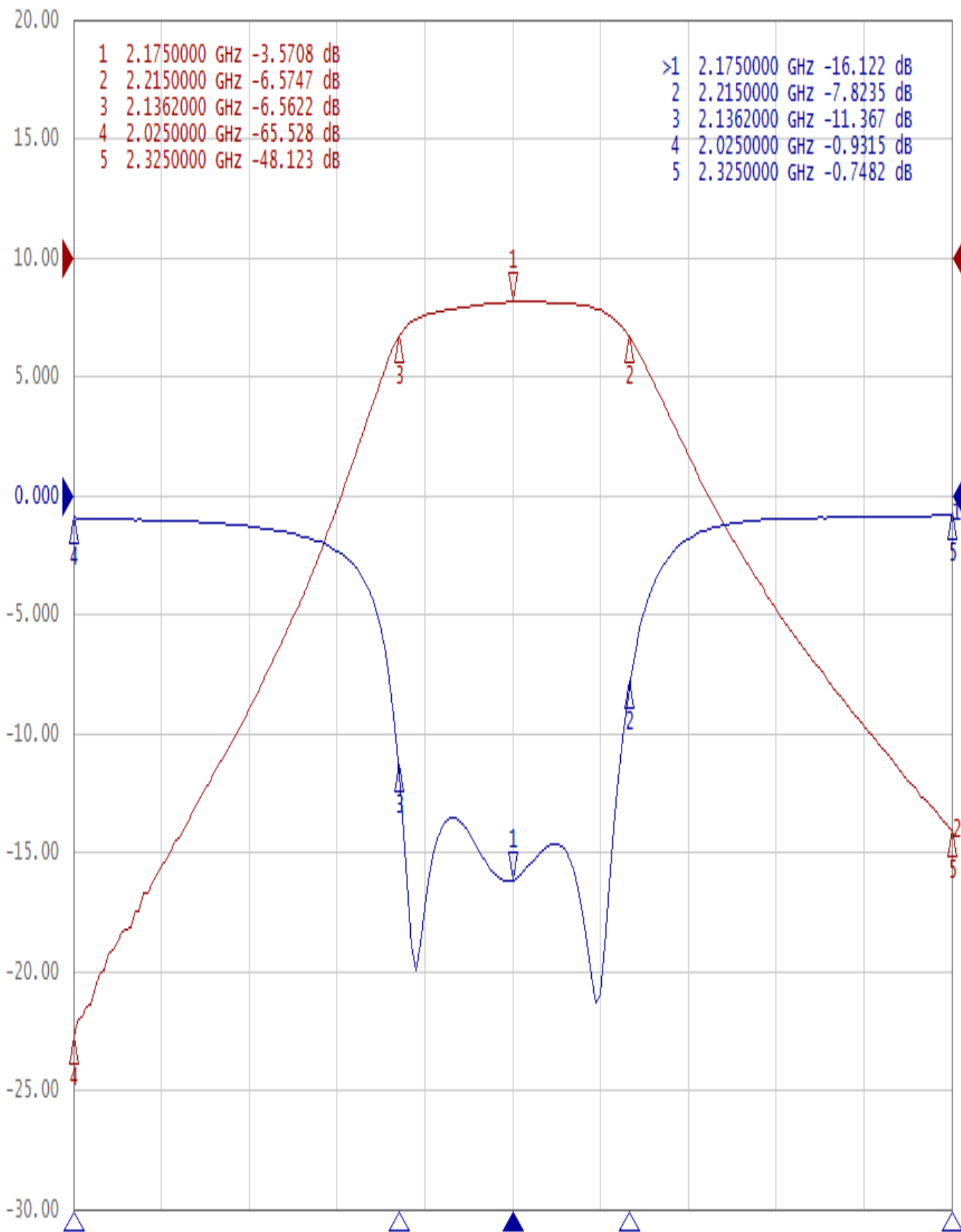
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	M.Y.Kang	5W4S(3.8*4.0)(4.11) 5HW046RB3.2 (J1)

TEMWELL CORPORATION

Performance-TFW4797B-2175M

202007042CD

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



1 Center 2.175 GHz

IFBW 70 kHz

Span 300 MHz Cor !