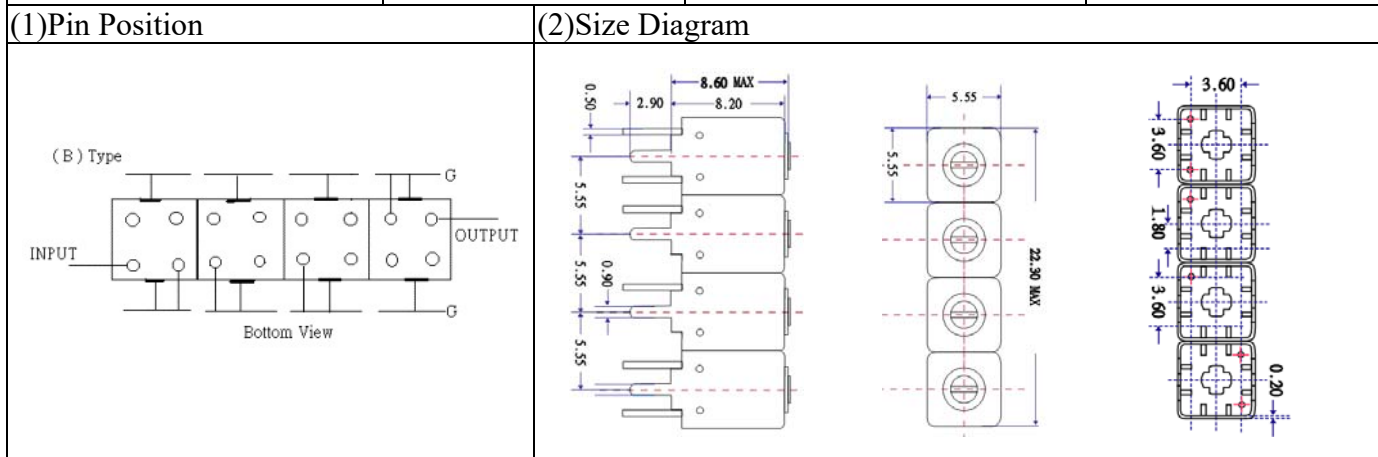


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4563B-1748M
Approval No. /dated		Temwell's Print name	4563B 1748M
Work Instruction No.	202004041CD	Date	Jun.11.2020



(3) Electric Characteristic

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	1748 MHz	1748 MHz
Insertion Loss	Typ. 5.0 dB	3.91 dB
-3 dB Bandwidth	Typ. 42 MHz	48.9 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 47 dBc
	Fo + 100 MHz	Typ. 35 dBc
	Fo - ( )MHz	Typ. dBc
	Fo +( )MHz	Typ. dBc
Return Loss	Min. 12 dB	18.5 dB
Ripple	< 1 dB	dB
Impedance	In / Out : 50 Ω	In / Out : 50 Ω

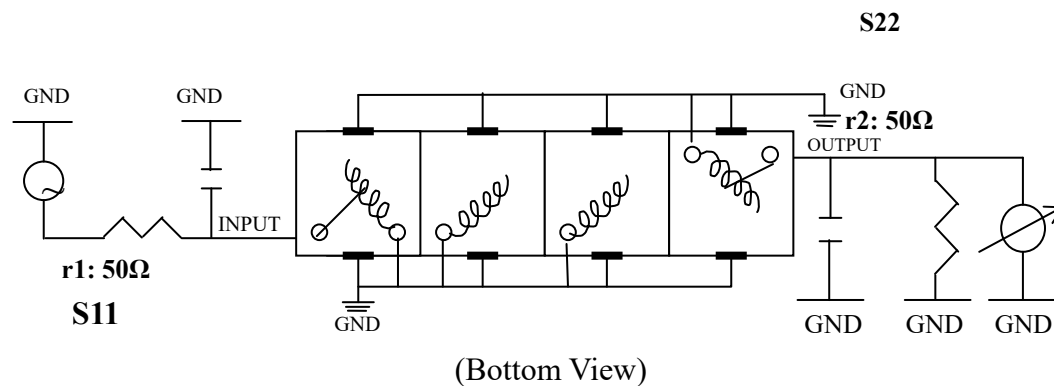
(4) Torque for Tuning Screw > 60gf · cm

(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(- -).



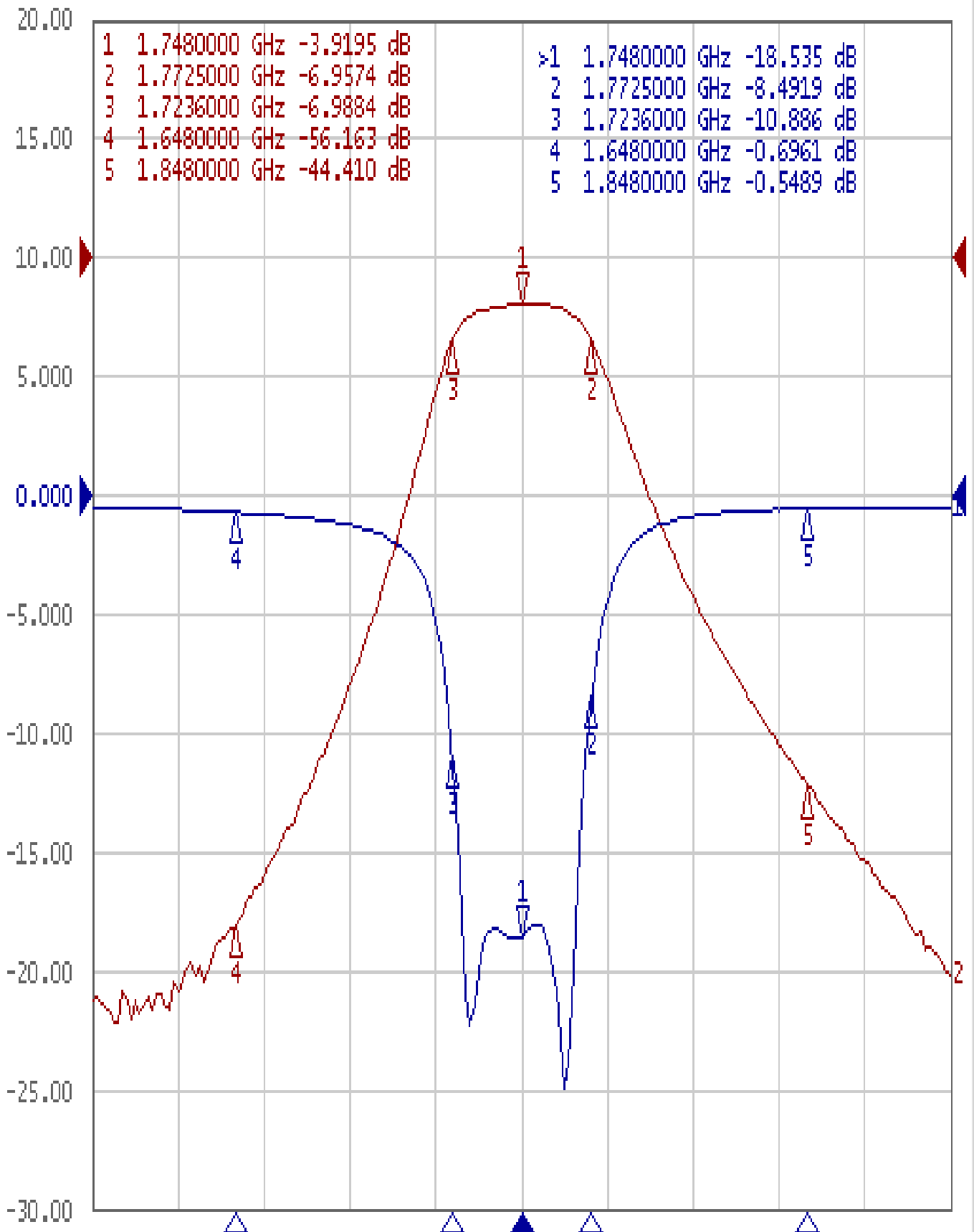
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	W.H.Wang	5W4S(3.8*3.5)(3.53) 5HW046RB3.2

TEMWELL CORPORATION

# Performance-TFW4563B-1748M

## 202004041CD

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



1 Center 1.748 GHz      IFBW 70 kHz      Span 300 MHz      Cor !