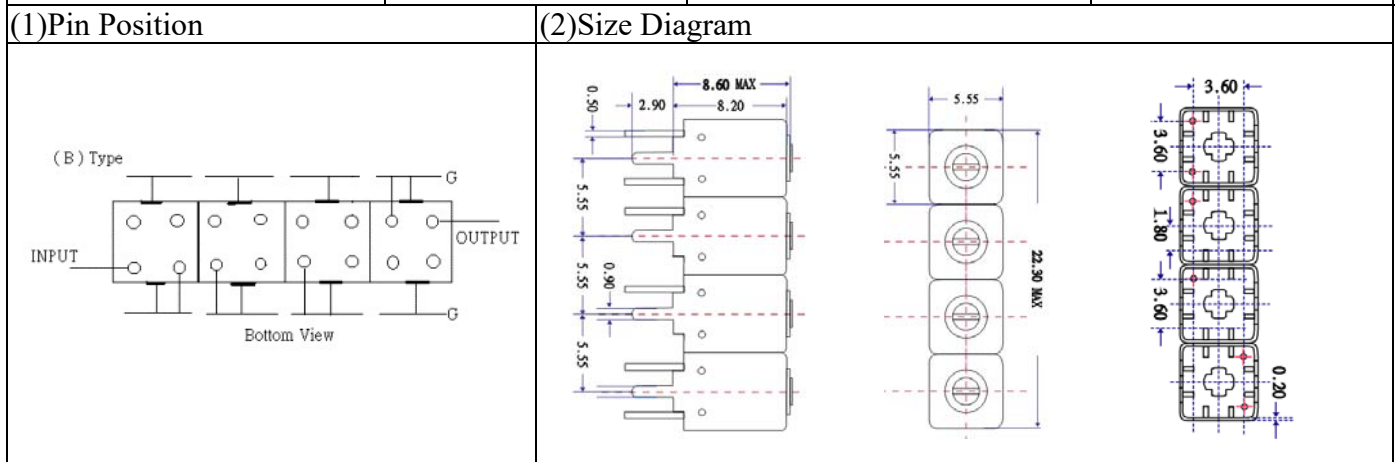


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4747B-1725M
Approval No. /dated		Temwell's Print name	4747B 1725M
Work Instruction No.	202004042CD	Date	Jun.18.2020



### (3)Electric Characteristic

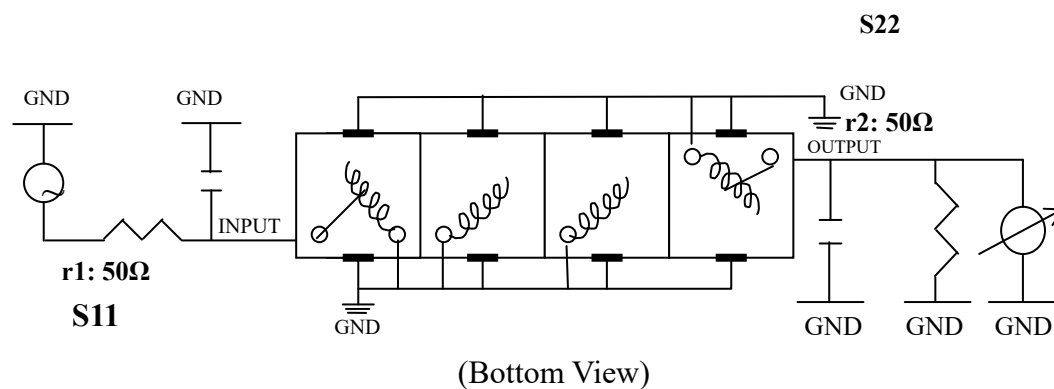
Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	1725 MHz	1725 MHz
Insertion Loss	Typ. 5.0 dB	3.93 dB
-3 dB Bandwidth	Typ. 55 MHz	62.3 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 45 dBc
	Fo + 100 MHz	Typ. 31 dBc
	Fo - ( )MHz	Typ. dBc
	Fo +( )MHz	Typ. dBc
Return Loss	Min. 12 dB	31.2 dB
Ripple	< 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

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



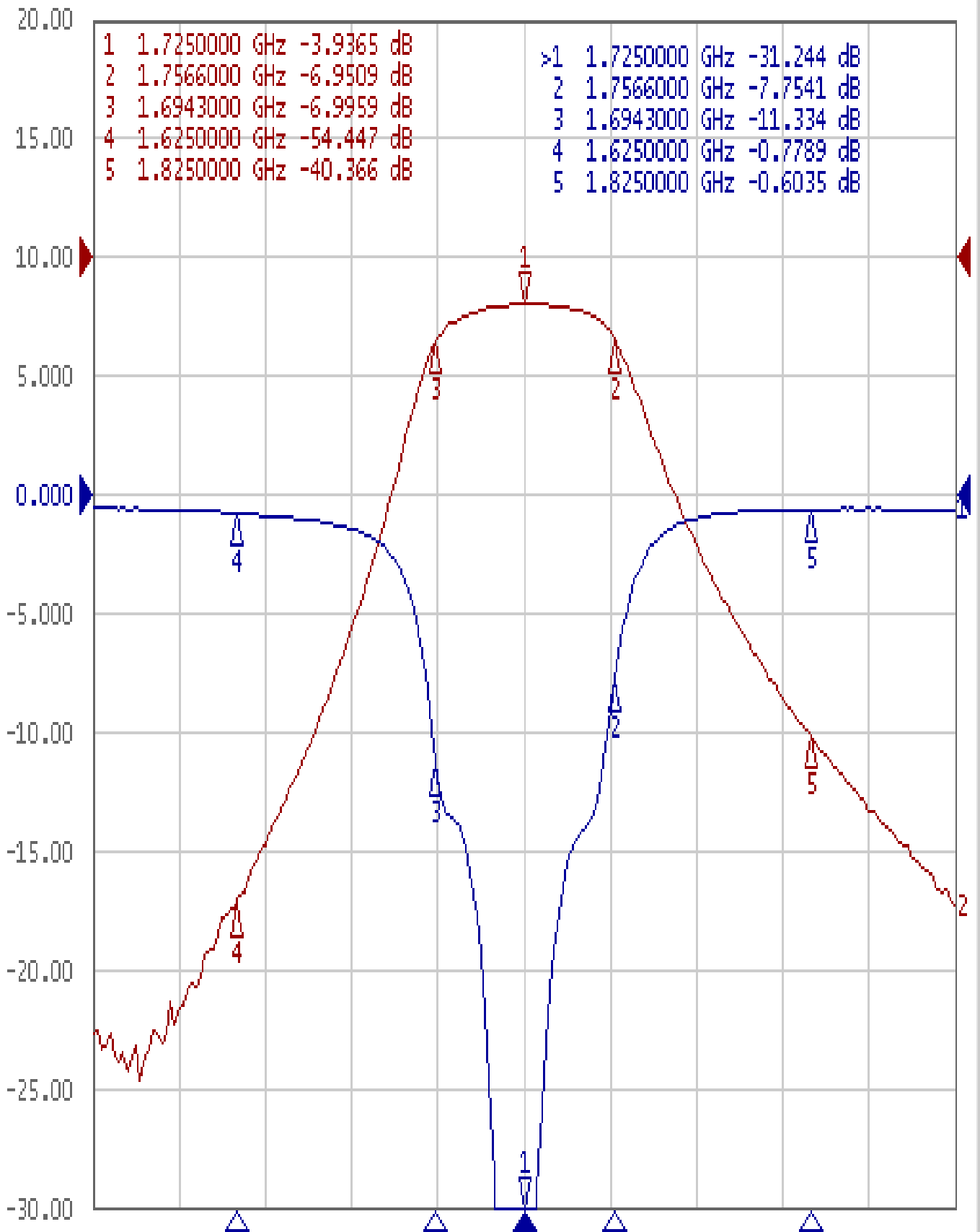
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	W.H.Wang	5W4S(3.8*4.5)(4.53) 5HW046RB3.2(J1)

TEMWELL CORPORATION

# Performance-TFW4747B-1725M

## 202004042CD

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