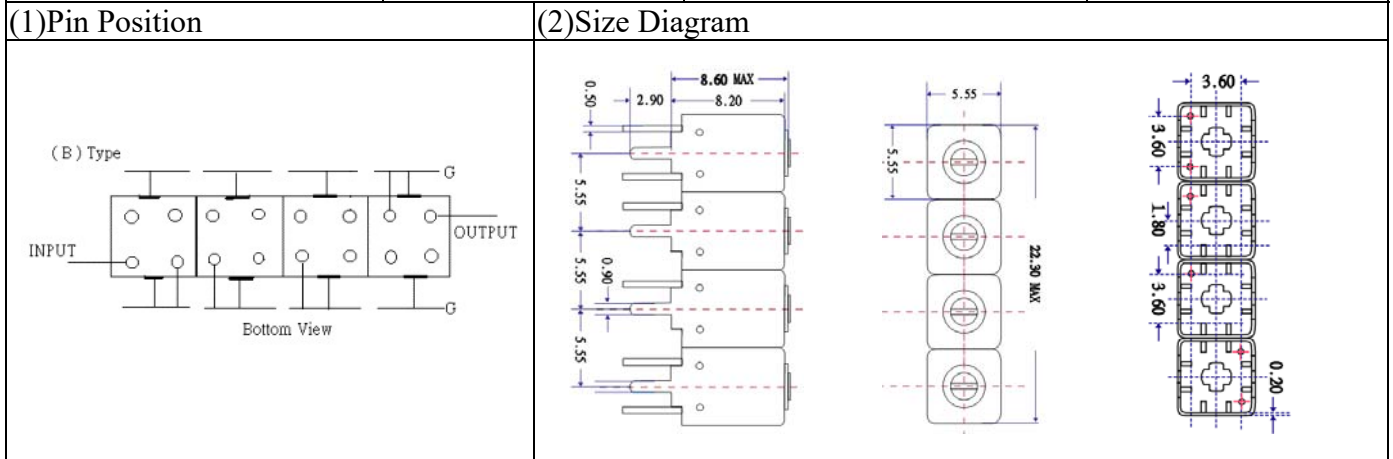


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4516B-1815M
Approval No. /dated		Temwell's Print name	4516B 1815M
Work Instruction No.	202005046CD	Date	Jun.29.2020



(3)Electric Charasteric

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1815 MHz	1815 MHz	
Insertion Loss	Typ. 5.5 dB	4.24 dB	
-3 dB Bandwidth	Typ. 50 MHz	58.4 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 42 dBc	47 dBc
	Fo + 100 MHz	Typ. 31 dBc	36 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	20.3 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

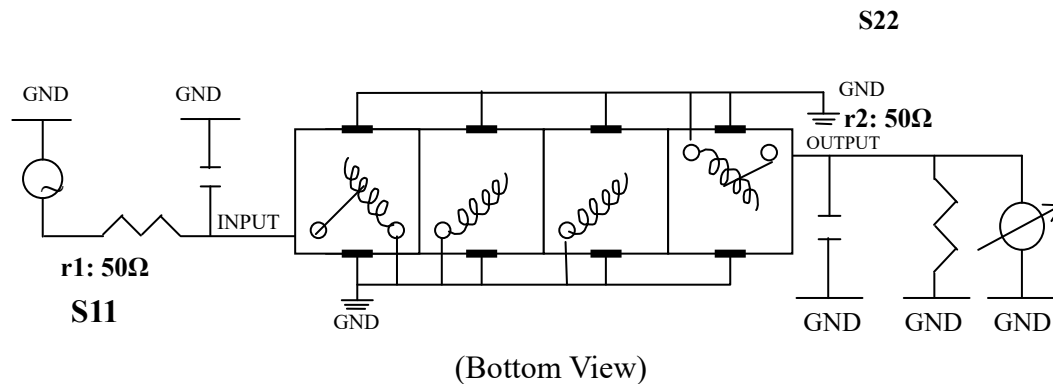
(4)Torque for Tuning Screw > 60gf · cm

(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(- -).



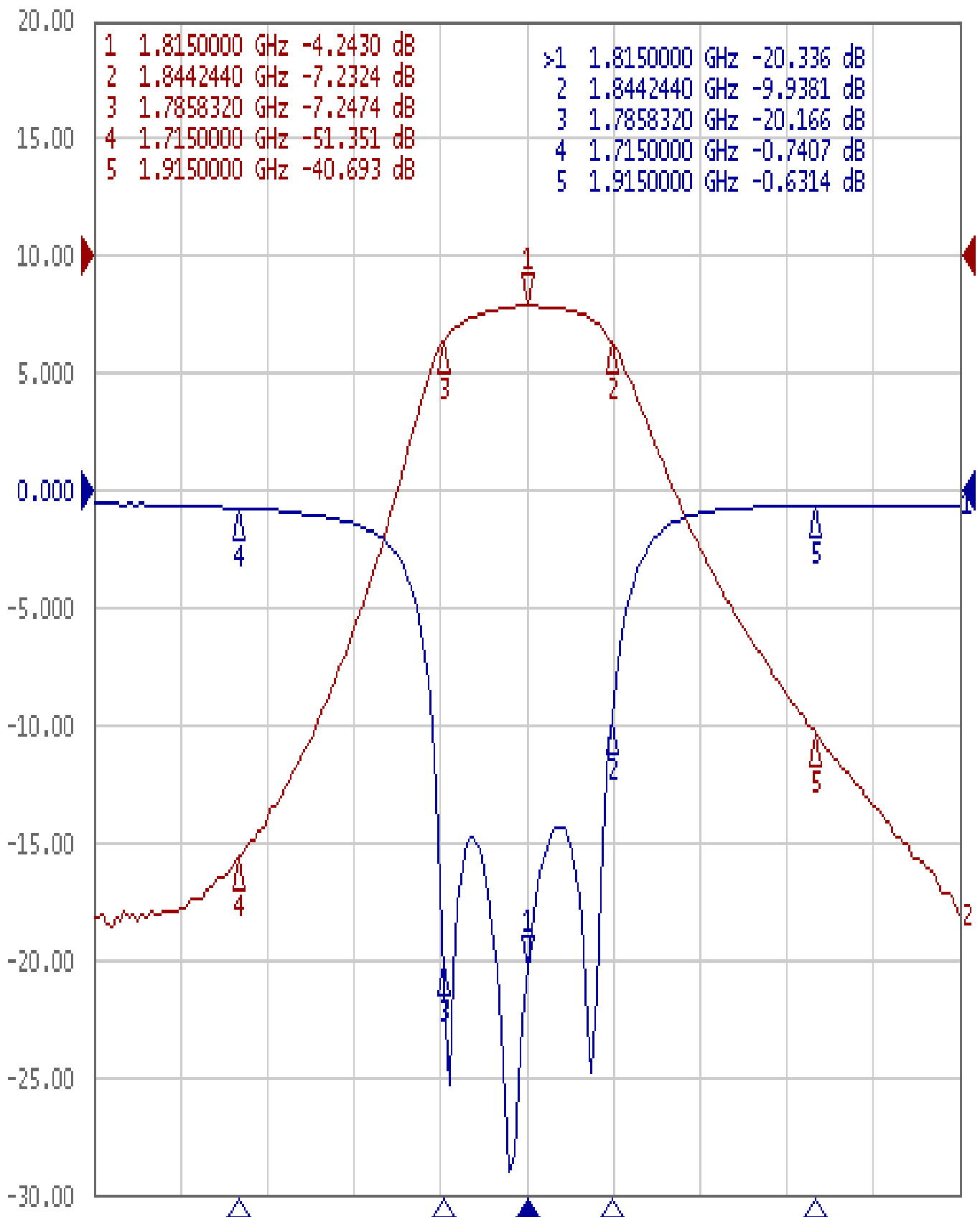
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	W.H.Wang	5W4S(3.8*4.5)(4.53) 5HW046RB3.2(J1)

TEMWELL CORPORATION

Performance-TFW4516B-1815M

202005046CD

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



1 Center 1.815 GHz

IFBW 70 kHz

Span 300 MHz Cor !