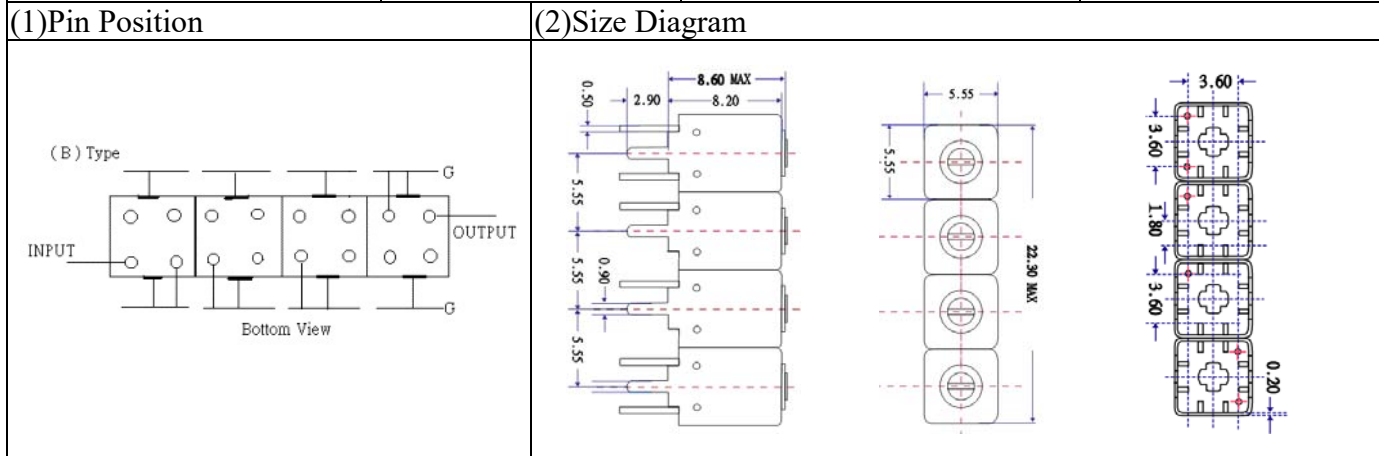


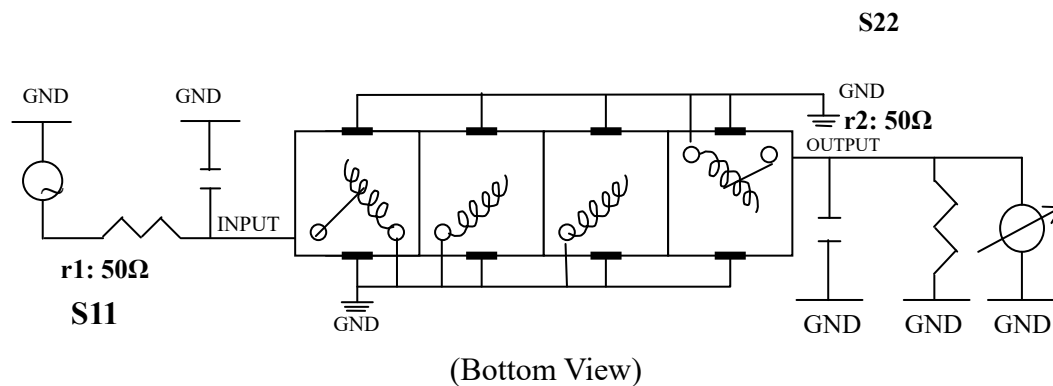
HF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW41097B-1702.5M
Approval No. /dated	201905048CD	Temwell's Print name	41097B 1702.5M
Work Instruction No.	201905048CD	Date	Jun.10.2019



(3) Electric Characteristic		Item	Specify	Performance
		Center Freq.(Fo) +/- 0.5 %	1702.5 MHz	1702.5 MHz
		Insertion Loss	Typ. 9.0 dB	8.23 dB
		-3 dB Bandwidth	Typ. 15 MHz	21.0 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	38.6 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.Y.Chang	C.K.Chang	W.W.Wang	5W4S(3.8*3.5)(3.56) 5HW02RB3 (J1)

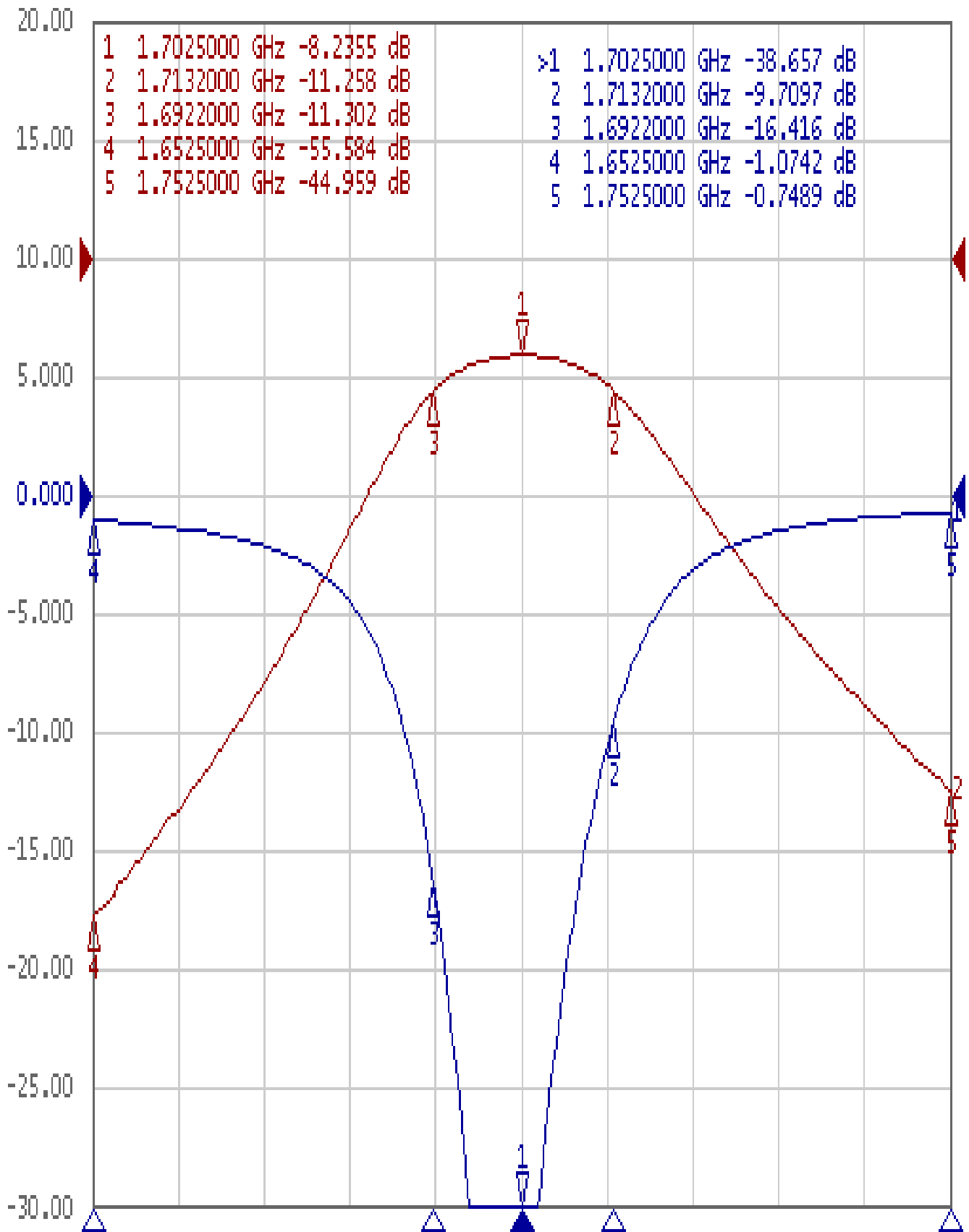
TEMWELL CORPORATION

Performance-TFW41097B-1702.5M

201905048CD

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

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



1 Center 1.7025 GHz

IFBW 70 kHz

Span 100 MHz

Cor