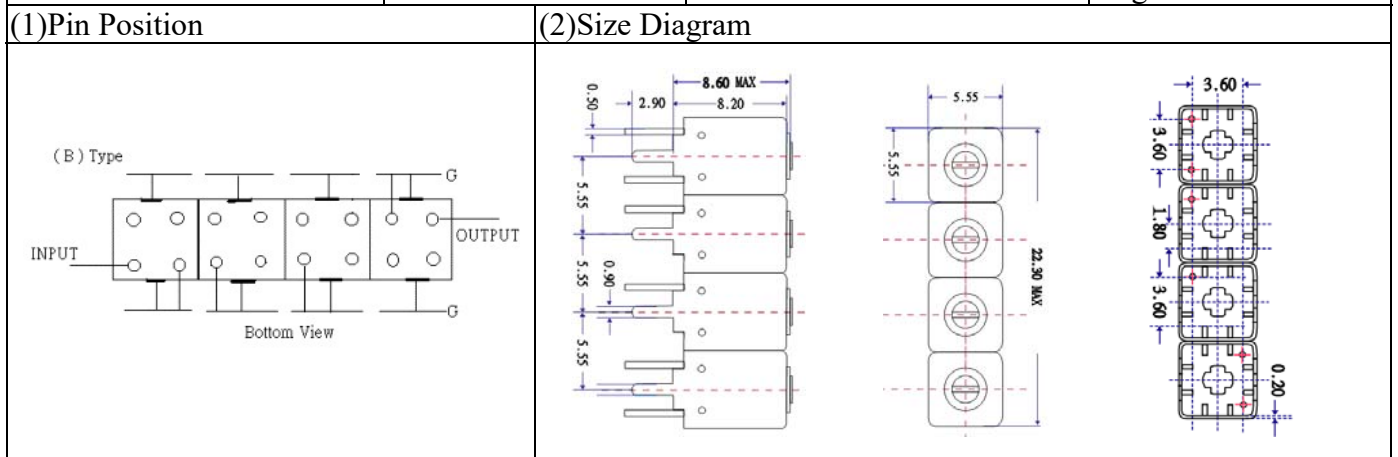


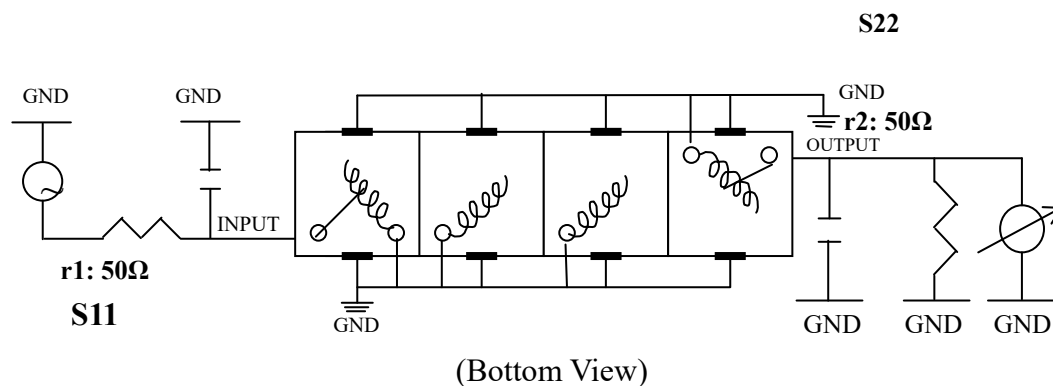
# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW41121B-2155M
Approval No. /dated	201905090CD	Temwell's Print name	41121B 2155M
Work Instruction No.	201905090CD	Date	Aug.23.2019



(3)Electric Charasteric			
Item	Specify	Performance	
Center Freq.(Fo ) +/- 0.5 %	2155 MHz	2155 MHz	
Insertion Loss	Typ. 4.0 dB	2.89 dB	
-3 dB Bandwidth	Typ. 90 MHz	96.9 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 29 dBc	34 dBc
	Fo + 100 MHz	Typ. 19 dBc	24 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	34.4 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(- -).

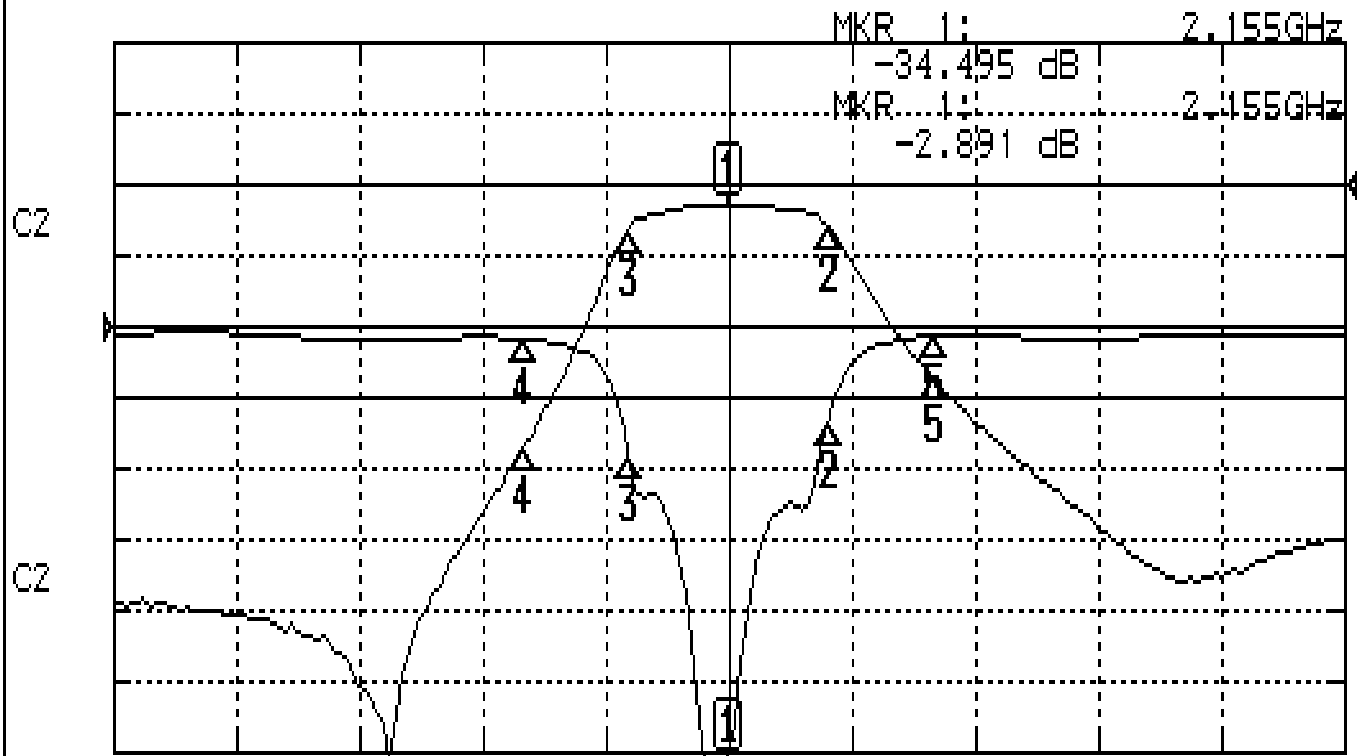


Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	C.H.Yeh	5W4S(3.8*4.5)(4.51) 5HW046RB3.2 (J1)
TEMWELL CORPORATION			

# Performance-TFW41121B-2155M

## 201905090CD

CH1 S11 LOG MAG REF 0.000 dB 5.000 dB/  
CH2 S21 LOG MAG REF 0.000 dB 10.000 dB/



CENTER 2.155GHz

[ 10.00 dBm ]

SPAN 600MHz

### CH1 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.155000	-34.495
2	2.203590	-6.665
3	2.106600	-9.372
4	2.055000	-0.824
5	2.255000	-0.634

### CH2 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.155000	-2.891
2	2.203590	-1.098
3	2.106600	-1.071
4	2.055000	-16.940
5	2.255000	-27.269