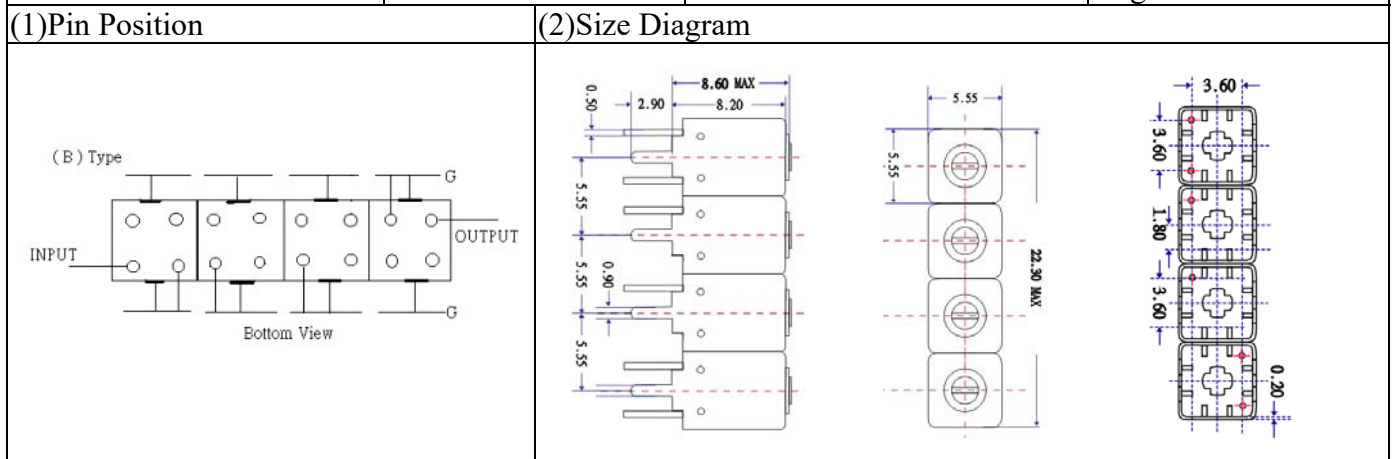


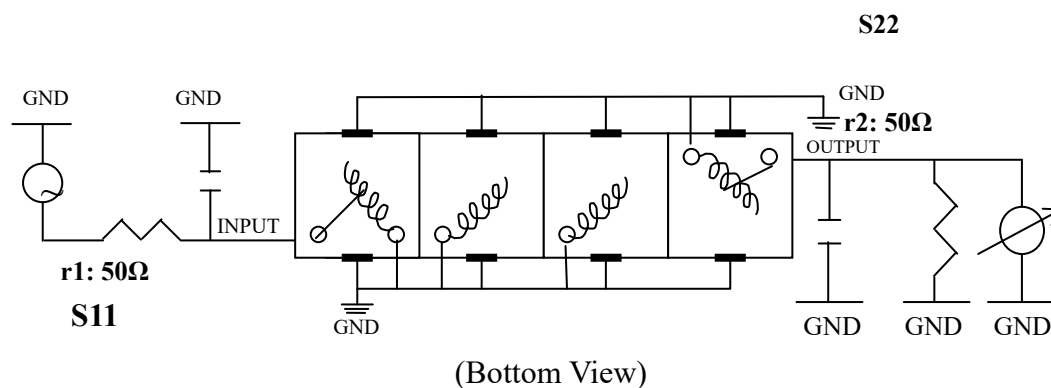
VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW41120B-2140M
Approval No. /dated	201905089CD	Temwell's Print name	41120B 2140M
Work Instruction No.	201905089CD	Date	Aug.22.2019



(3) Electric Characteristic			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		2140 MHz	2140 MHz
Insertion Loss		Typ. 5.0 dB	3.90 dB
-3 dB Bandwidth		Typ. 60 MHz	66.7 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 42 dBc	47 dBc
	Fo + 100 MHz	Typ. 27 dBc	33 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo + ()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	25.8 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)(4.54) 5HW046RB3.2 (J1)

TEMWELL CORPORATION

TEMWELL

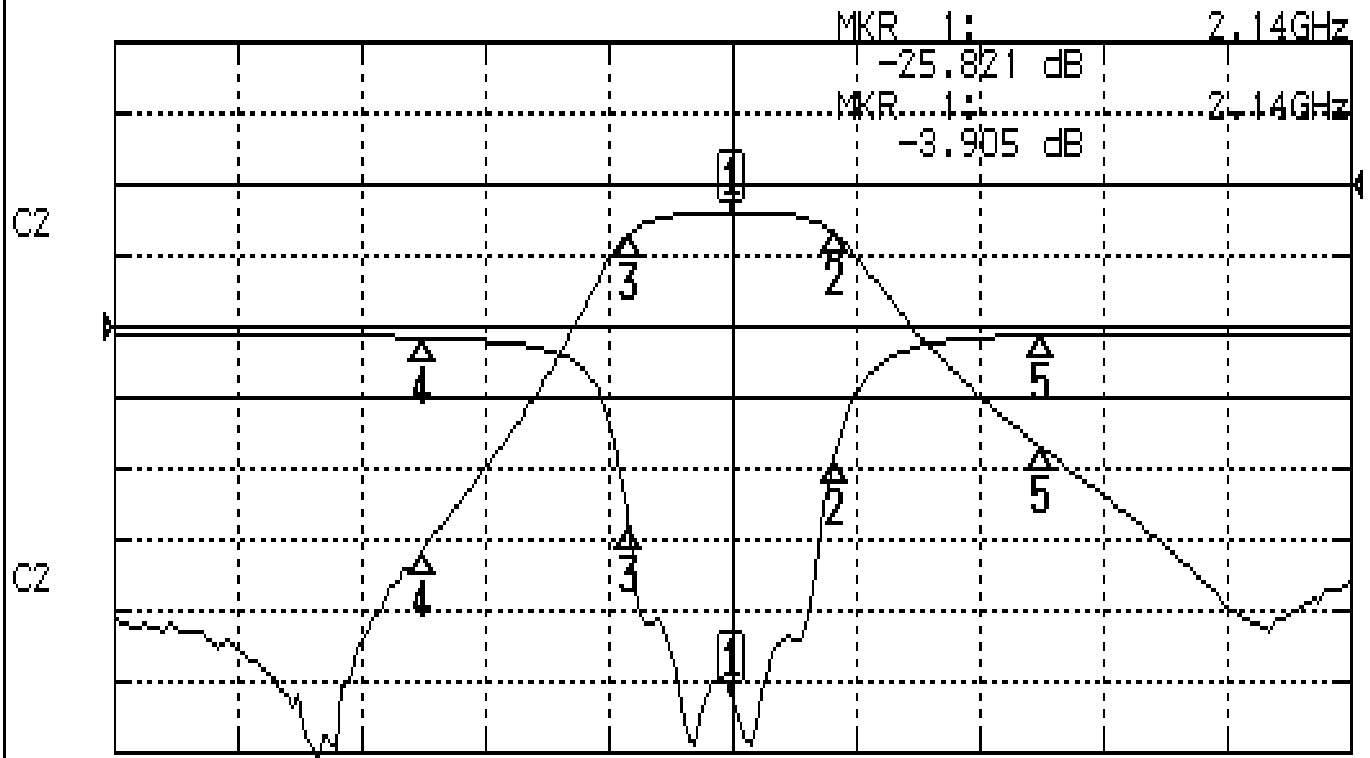
Form10-5H4B Vision D

RP (C.H.Y)

Performance-TFW41120B-2140M

201905089CD

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



CENTER 2.14GHz

[10.00 dBm]

SPAN 400MHz

CH1 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.140	-25.821
2	2.173	-9.097
3	2.106	-14.144
4	2.040	-0.795
5	2.240	-0.621

CH2 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.140	-3.909
2	2.173	-6.907
3	2.106	-6.920
4	2.040	-11.429
5	2.240	-37.070