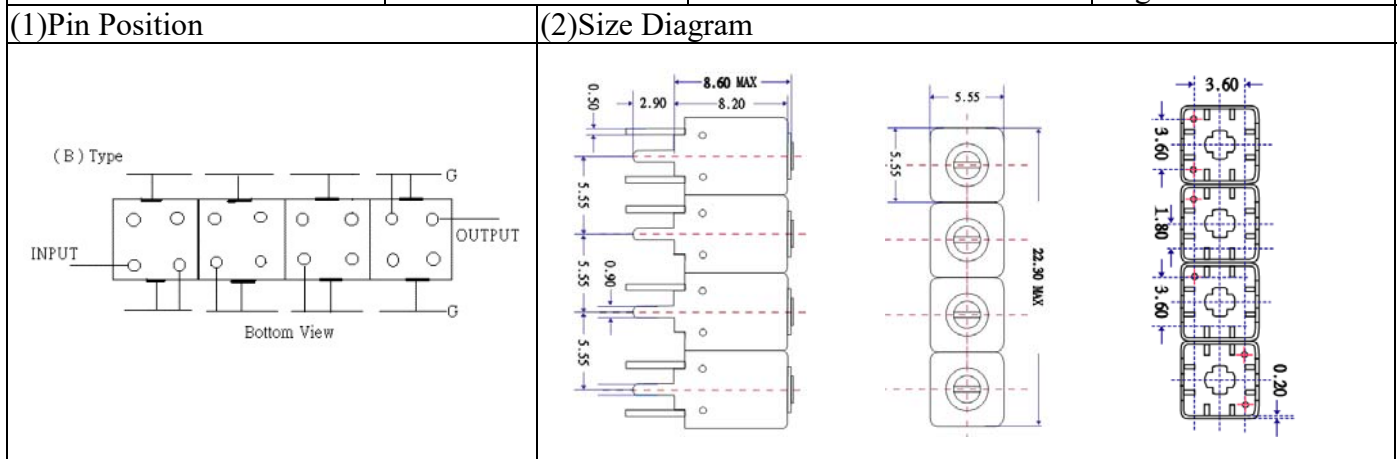


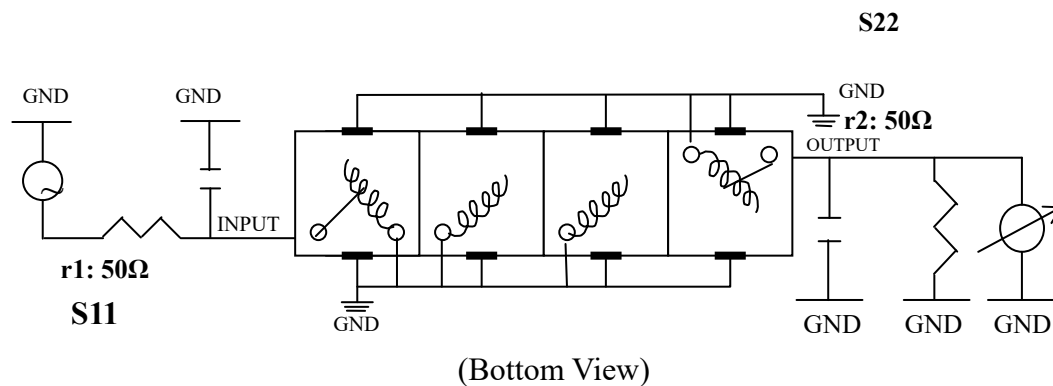
VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW41135B-1470M
Approval No. /dated	201908027CD	Temwell's Print name	41135B 1470M
Work Instruction No.	201908027CD	Date	Aug.21.2019



(3) Electric Characteristic			
Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1470 MHz	1470	MHz
Insertion Loss	Typ. 3.0 dB	1.98	dB
-3 dB Bandwidth	Typ. 100 MHz	106.5	MHz
Sensitivity (Attenuation)	Fo - 200 MHz	Typ. 55	dBc
	Fo + 200 MHz	Typ. 33	dBc
	Fo - ()MHz	Typ.	dBc
	Fo +()MHz	Typ.	dBc
Return Loss	Min. 12 dB	15.5	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(- -).

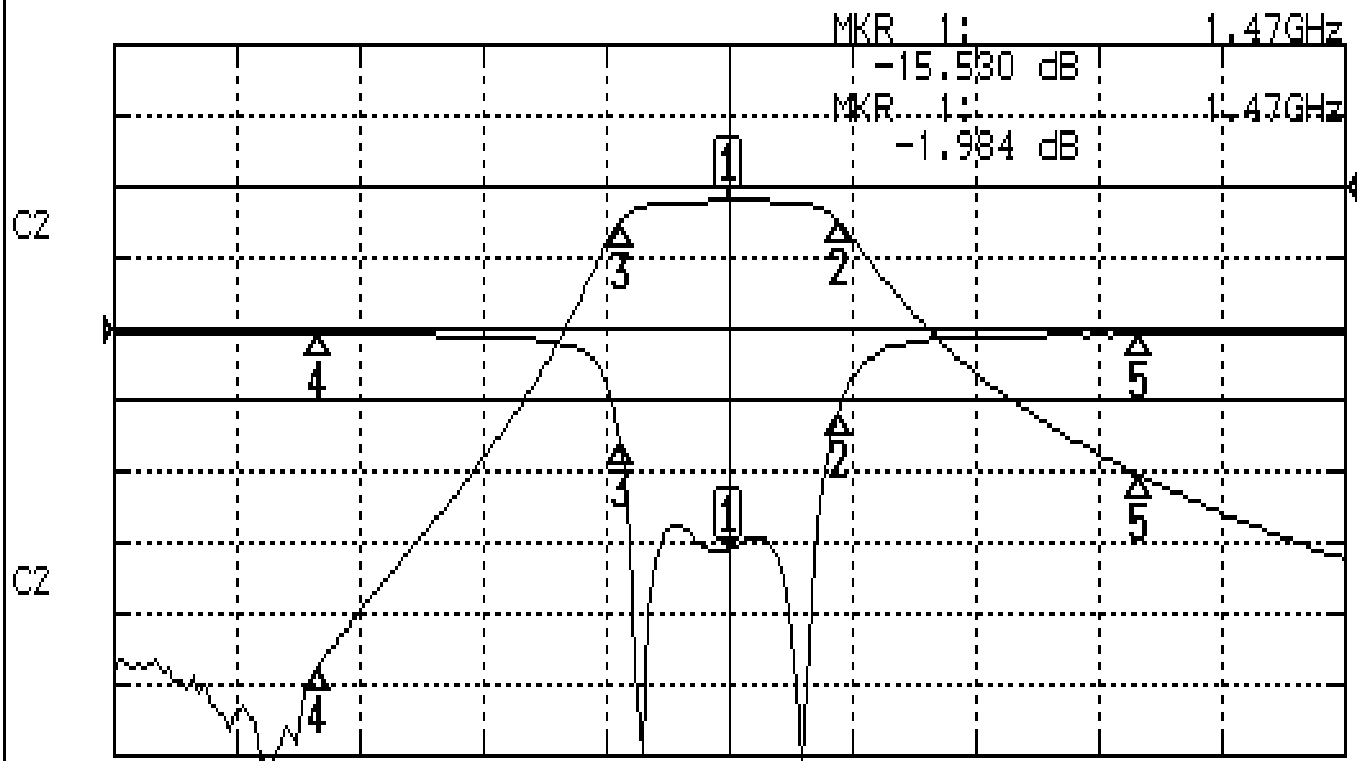


Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	M.Y.Kang	5W4S(3.8*4.5)(4.54) 5HW046RB4
TEMWELL CORPORATION			

Performance-TFW41135B-1470M

201908027CD

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



CENTER 1.47GHz

[10.00 dBm]

SPAN 600MHz

CH1 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	1.470 000	-15.530
2	1.523 500	-5.849
3	1.417 000	-7.989
4	1.270 000	-0.297
5	1.670 000	-0.429

CH2 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	1.470 000	-1.984
2	1.523 500	-4.960
3	1.417 000	-4.929
4	1.270 000	-67.569
5	1.670 000	-40.531