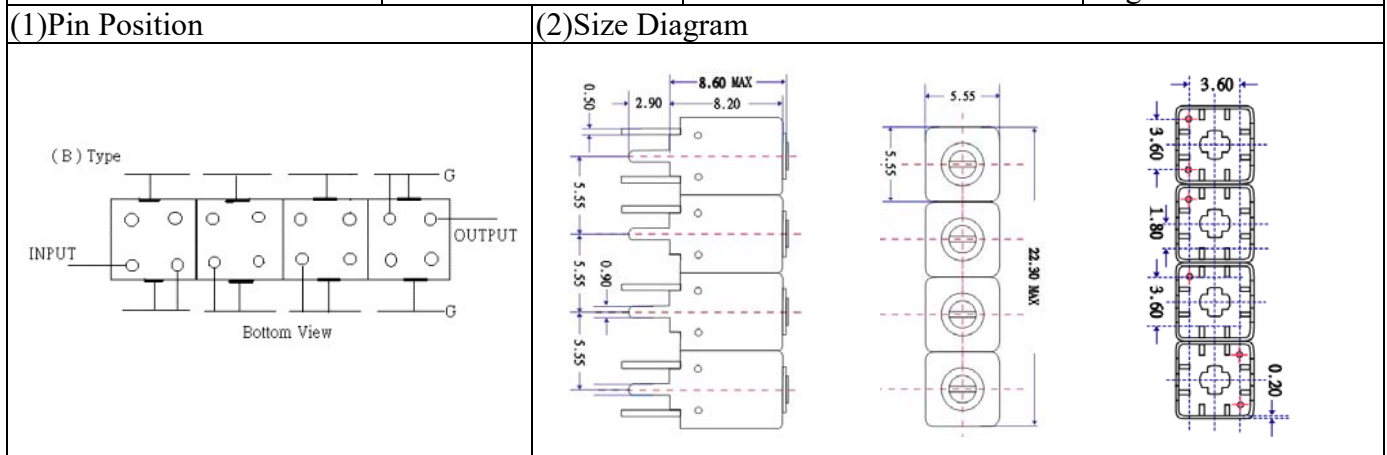
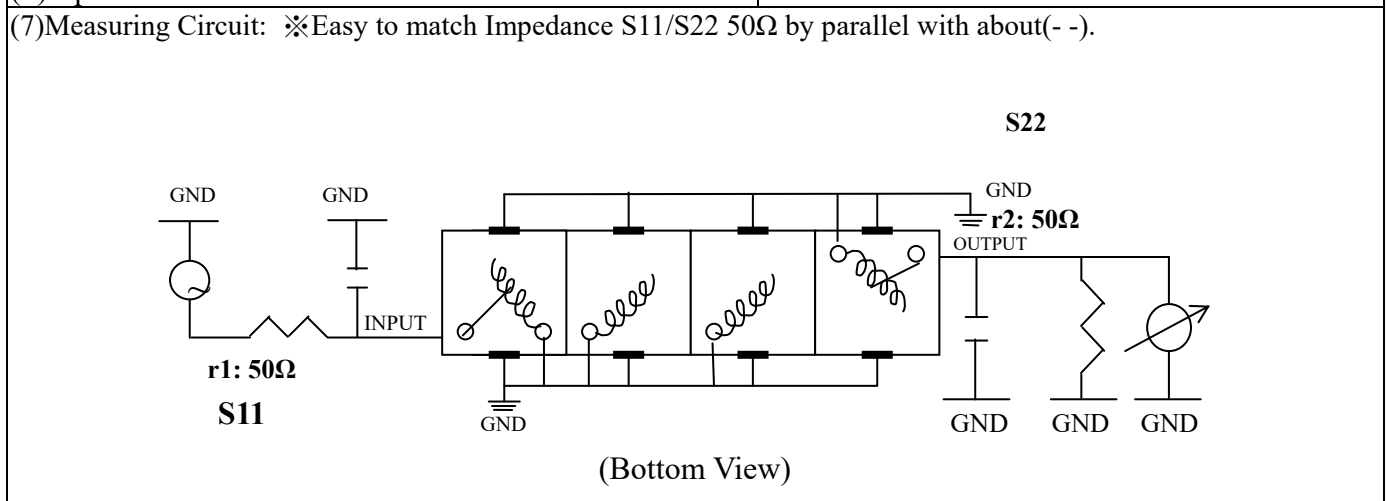


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW41118B-2017.5M
Approval No. /dated	201905087CD	Temwell's Print name	41118B 2017.5M
Work Instruction No.	201905087CD	Date	Aug.19.2019



(3) Electric Characteristic		Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %			2017.5 MHz	2017.5 MHz
Insertion Loss		Typ.	9.0 dB	8.16 dB
-3 dB Bandwidth		Typ.	15 MHz	21.2 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ.	59 dBc	70 dBc
	Fo + 100 MHz	Typ.	47 dBc	51 dBc
	Fo - ()MHz	Typ.	dBc	dBc
	Fo +()MHz	Typ.	dBc	dBc
Return Loss		Min.	12 dB	32.4 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	

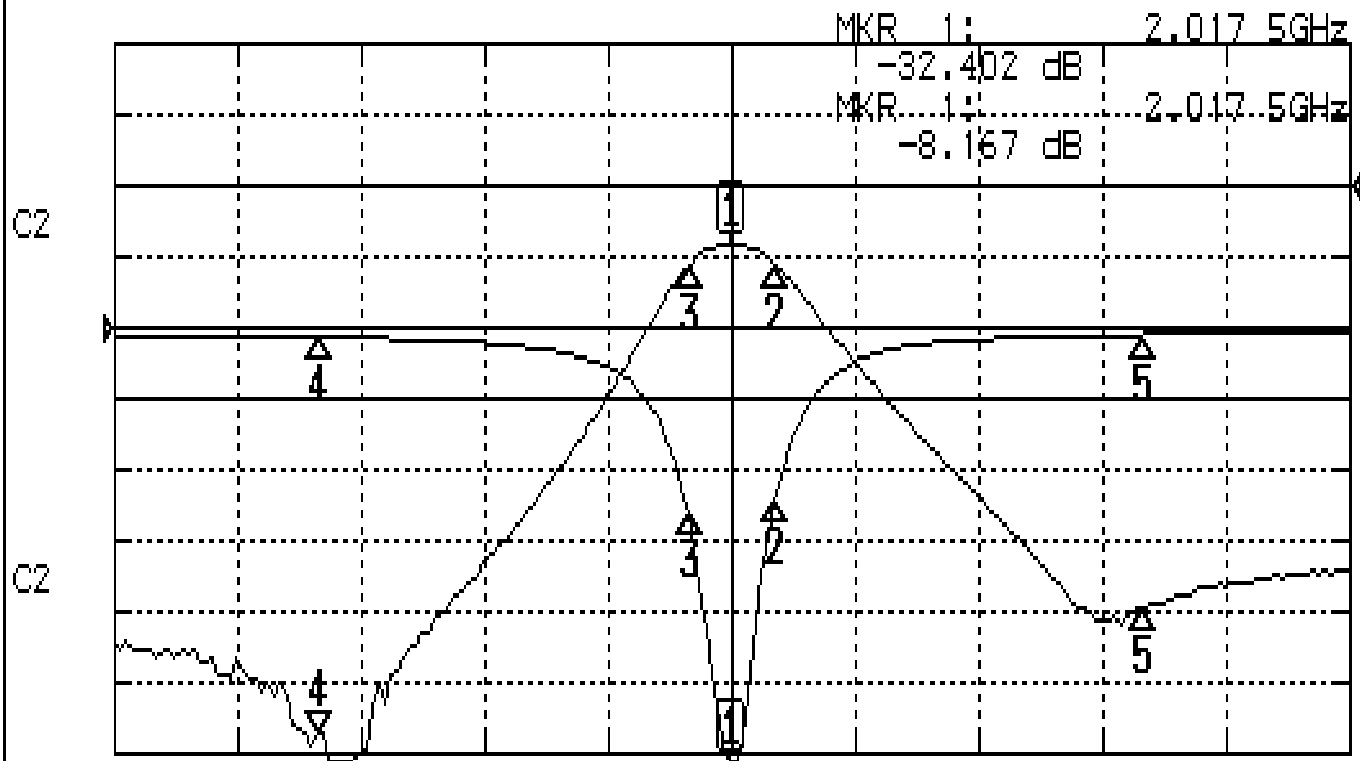


Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	C.H.Yeh	5W4S(3.8*3.5)(3.58) 5HW046RB3.2 (J1)
TEMWELL CORPORATION			

Performance-TFW4118B-2017.5M

201905087CD

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



CENTER 2.017 5GHz

[10.00 dBm]

SPAN 300MHz

CH1 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.017	-32.402
2	2.028	-12.083
3	2.007	-13.079
4	1.917	-0.646
5	2.117	-0.438

CH2 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.017	-8.167
2	2.028	-11.158
3	2.007	-11.226
4	1.917	-79.113
5	2.117	-59.636