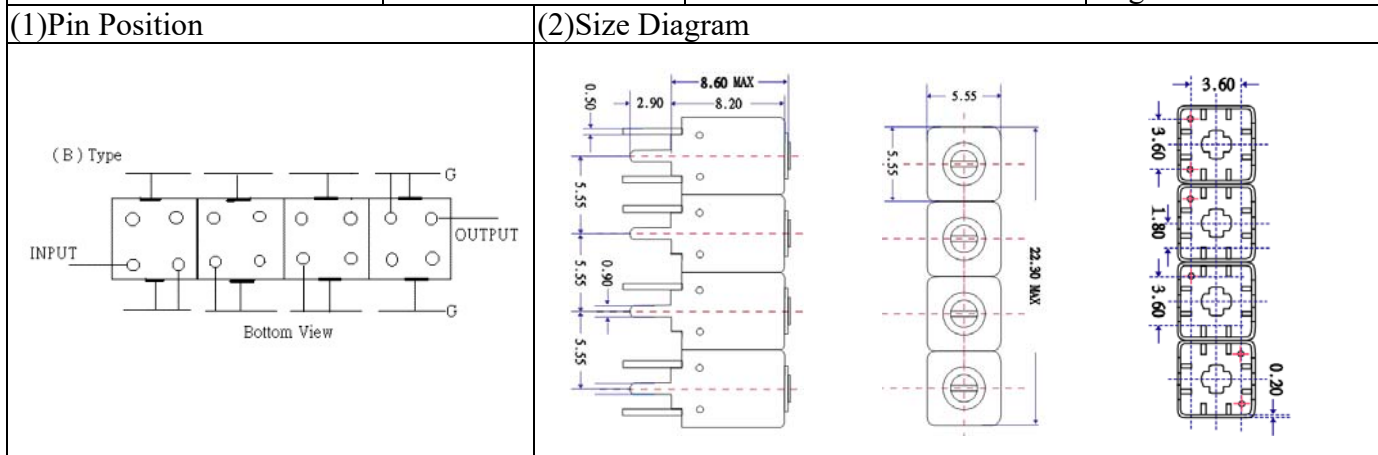


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4707B-2125M
Approval No. /dated		Temwell's Print name	4707B 2125M
Work Instruction No.	202006019CD	Date	Aug.18.2020



(3)Electric Charasteric

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	2125 MHz	2125 MHz
Insertion Loss	Typ. 6.0 dB	4.94 dB
-3 dB Bandwidth	Typ. 25 MHz	38.7 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 47 dBc
	Fo + 100 MHz	Typ. 31 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	31.7 dB
Ripple	< 1 dB	dB
Impedance	In / Out : 50 Ω	In / Out : 50 Ω
(4)Torque for Tuning Screw	> 60gf · cm	

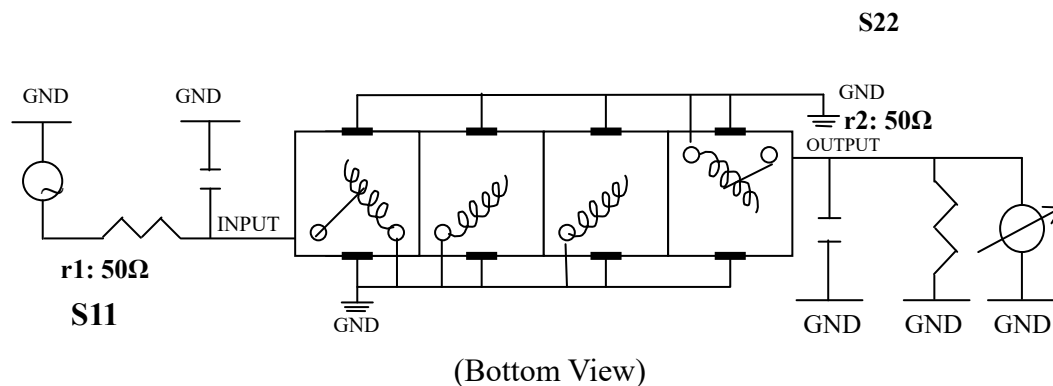
(5)Temperature Condition:

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(- -).

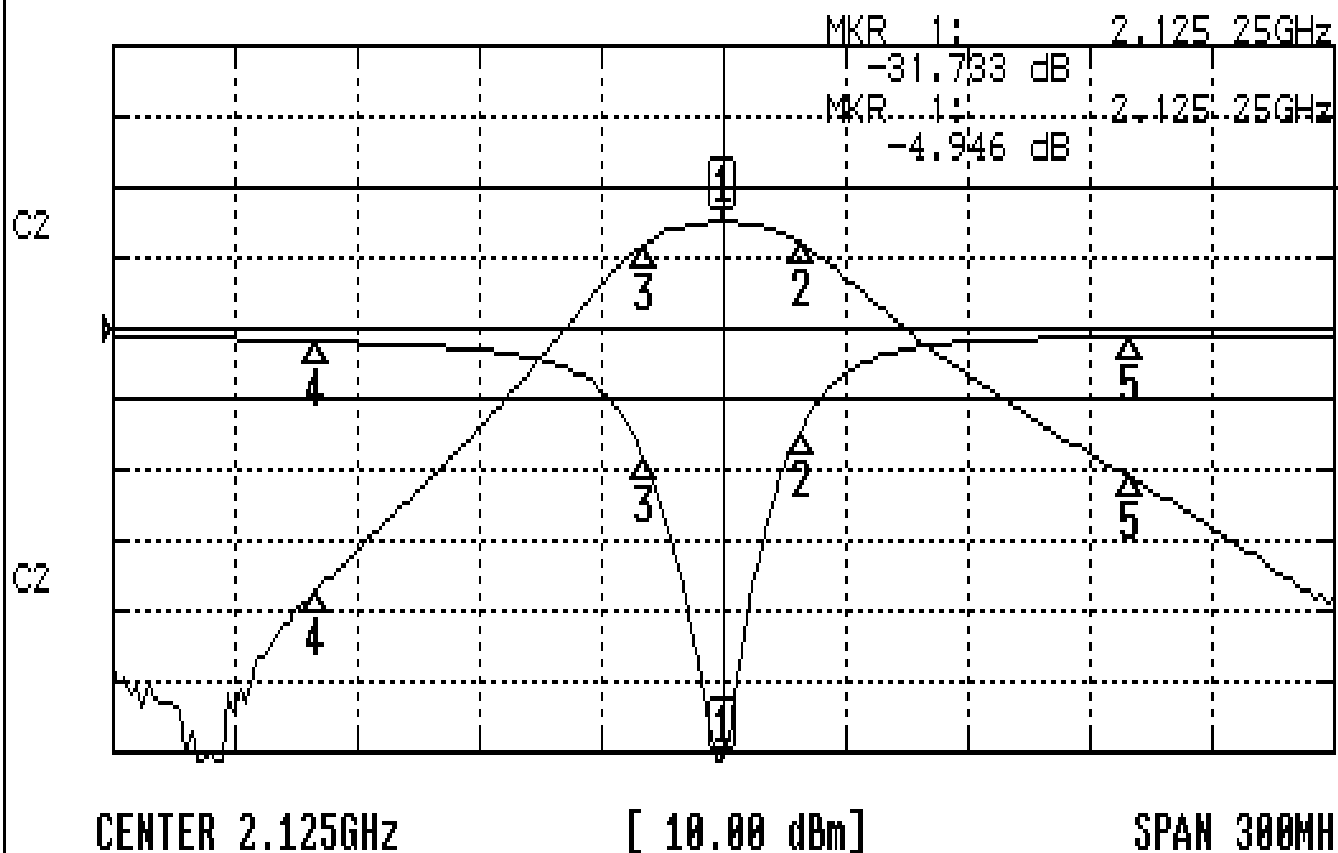


Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	C.H.Yeh	5W4S(3.8*3.5)(3.52) 5HW046RB3.2 (J1)
TEMWELL CORPORATION			

Performance-TFW4707B-2125M

202006019CD

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



CH1 MARKER LIST

Marker	Freq (GHz)	Mag (dB)
1	2.125 250	-31.733
2	2.144 250	-7.098
3	2.105 500	-9.015
4	2.025 000	-0.905
5	2.225 000	-0.591

CH2 MARKER LIST

Marker	Freq (GHz)	Mag (dB)
1	2.125 250	-4.946
2	2.144 250	-7.944
3	2.105 500	-7.980
4	2.025 000	-57.245
5	2.225 000	-41.047