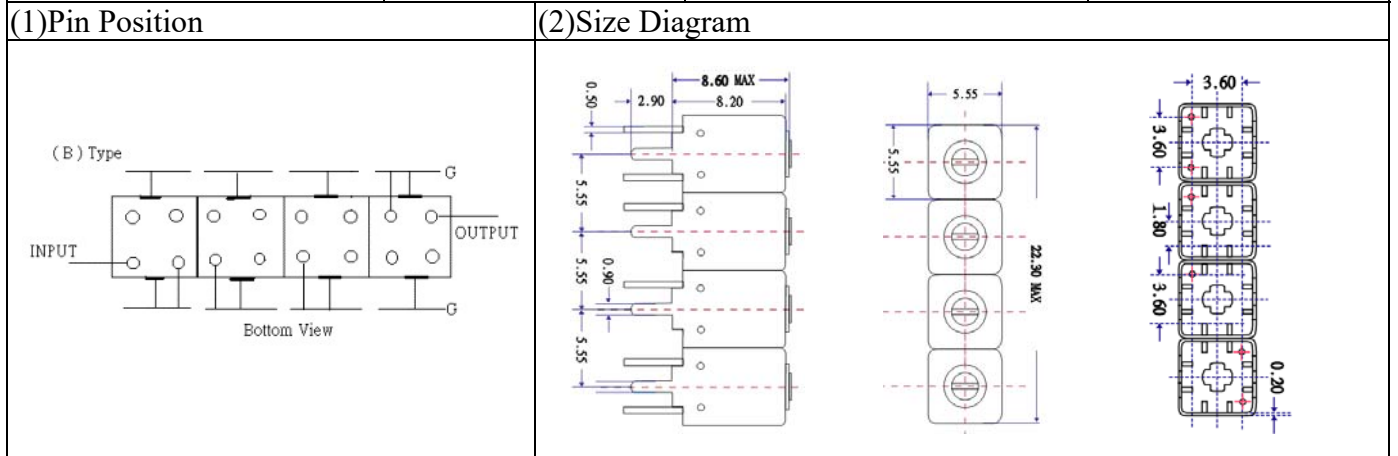


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4846B-2000M
Approval No. /dated		Temwell's Print name	4846B 2000M
Work Instruction No.	202006011CD	Date	Jul.03.2020



(3)Electric Characteristic

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	2000 MHz	2000 MHz	
Insertion Loss	Typ. 3.5 dB	2.60 dB	
-3 dB Bandwidth	Typ. 102 MHz	109.3 MHz	
Sensitivity (Attenuation)	Fo - 150 MHz	Typ. 50 dBc	55 dBc
	Fo + 150 MHz	Typ. 29 dBc	34 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	20.9 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

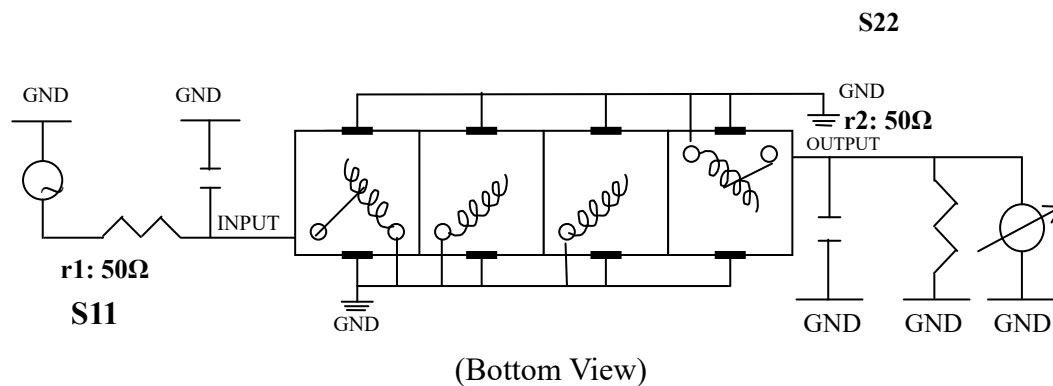
(4)Torque for Tuning Screw > 60gf · cm

(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(- -).



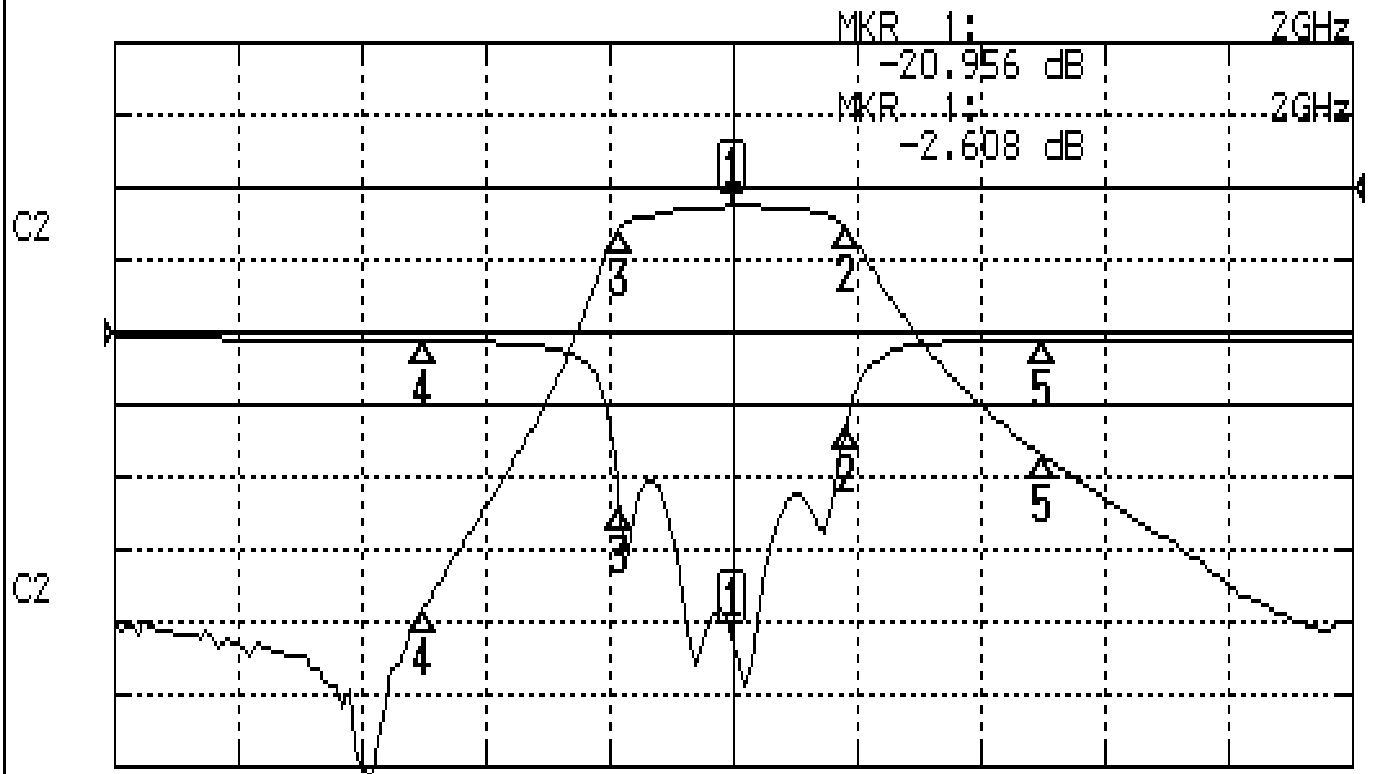
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	C.H.Yeh	5W4S(3.8*5.1)(5.12) 5HW046RB3.2 (J1)

TEMWELL CORPORATION

Performance-TFW4846B-2000M

202006011CD

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



CENTER 2GHz

[10.00 dBm]

SPAN 600MHz

CH1 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.000000	-20.956
2	2.054800	-6.591
3	1.945500	-12.148
4	1.850000	-0.598
5	2.150000	-0.572

CH2 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.000000	-2.608
2	2.054800	-11.690
3	1.945500	-10.634
4	1.850000	-37.127
5	2.150000	-37.090