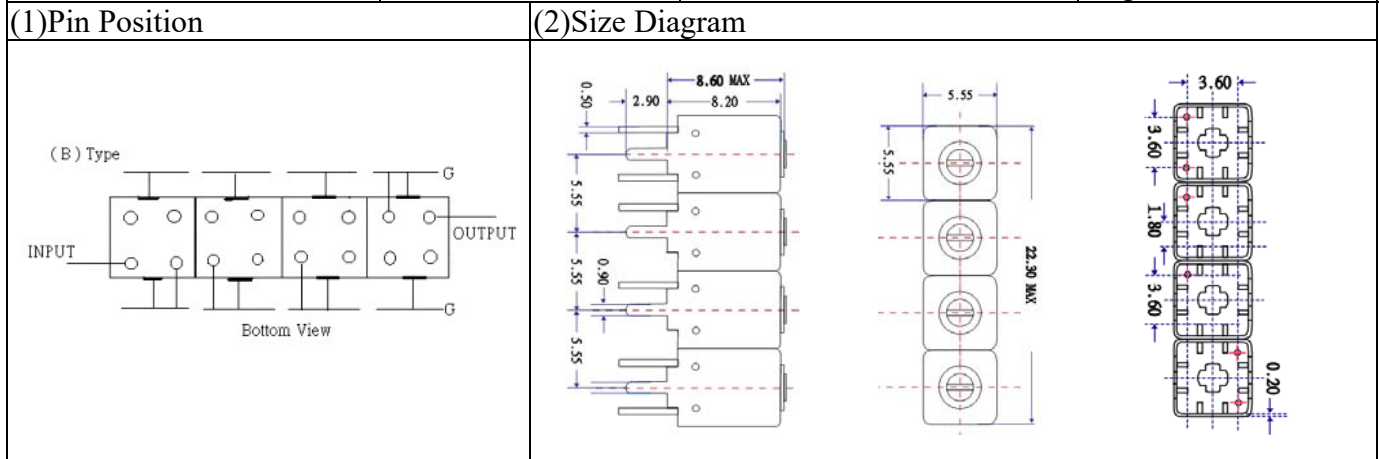


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TFW4836B-2400M
Approval No. /dated		Temwell's Print name	4836B 2400M
Work Instruction No.	202007056CD	Date	Aug.20.2020



(3) Electric Characteristic

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	2400 MHz	2400 MHz	
Insertion Loss	Typ. 3.0 dB	2.03 dB	
-3 dB Bandwidth	Typ. 170 MHz	181.6 MHz	
Sensitivity (Attenuation)	Fo - 300 MHz	Typ. 63 dBc	73 dBc
	Fo + 300 MHz	Typ. 36 dBc	41 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	25.2 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

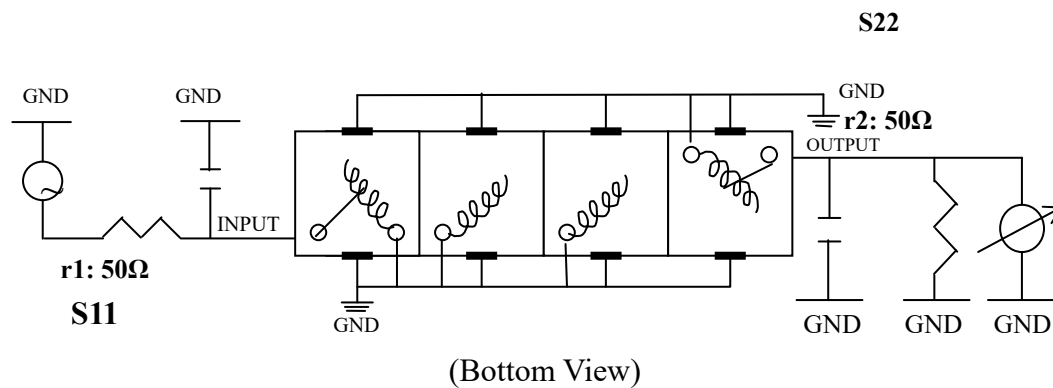
(4) Torque for Tuning Screw > 60gf · cm

(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(- -).



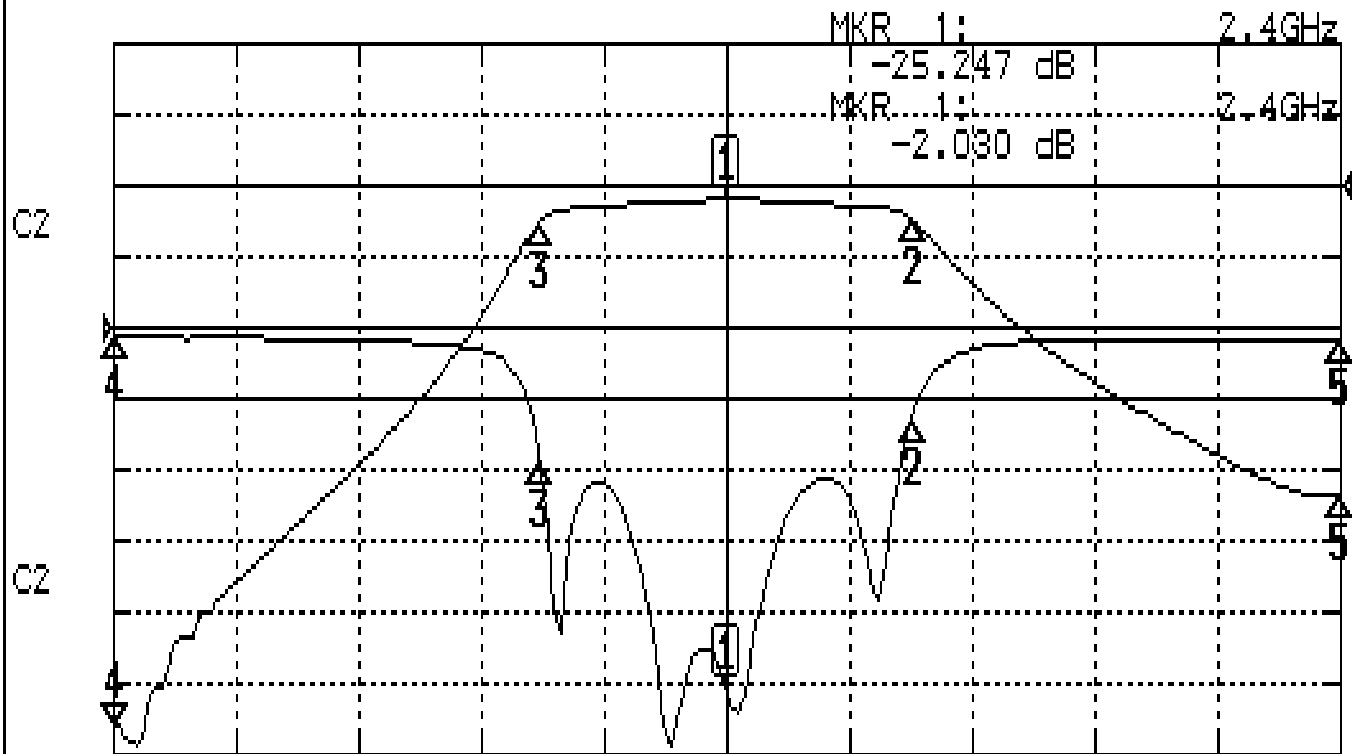
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	Z.Y.Wang	5W4S(3.8*5.1)(5.13) 5HW046RB3.2 (J1)

TEMWELL CORPORATION

Performance-TFW4836B-2400M

202007056CD

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



CENTER 2.4GHz

[10.00 dBm]

SPAN 600MHz

CH1 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.400 000	-25.247
2	2.491 100	-6.211
3	2.309 500	-9.525
4	2.100 000	-0.686
5	2.700 000	-0.875

CH2 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.400 000	-2.030
2	2.491 100	-15.043
3	2.309 500	-11.069
4	2.100 000	-17.337
5	2.700 000	-43.559