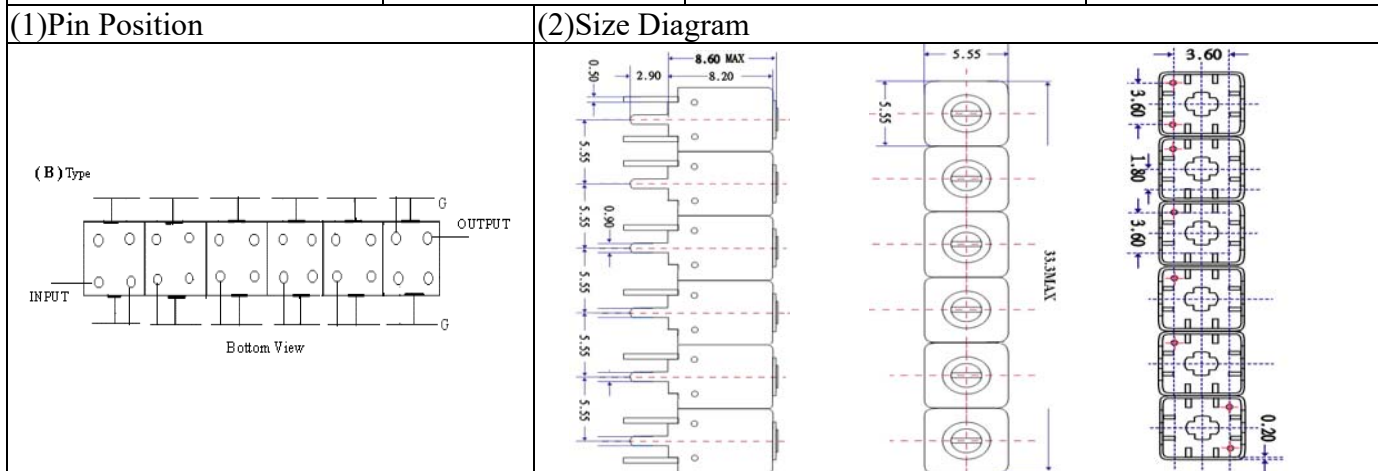


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TSW6411B-1842.5M
Approval No. /dated		Temwell's Print name.	6411B 1842.5M
Work Instruction No.	201911104CD	Date	Jun.11.2020



(3)Electric Chararistic

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	1842.5 MHz	1842.5 MHz
Insertion Loss	Typ. 5.0 dB	3.72 dB
-3 dB Bandwidth	Typ. 75 MHz	80.4 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 57 dBc
	Fo +100 MHz	Typ. 46 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	18.0 dB
Ripple	< 1 dB	dB
Impedance	In / Out : 50 Ω	In / Out : 50 Ω

(4)Torque for Tuning Screw

> 60gf · cm

(5)Temperature Condition:

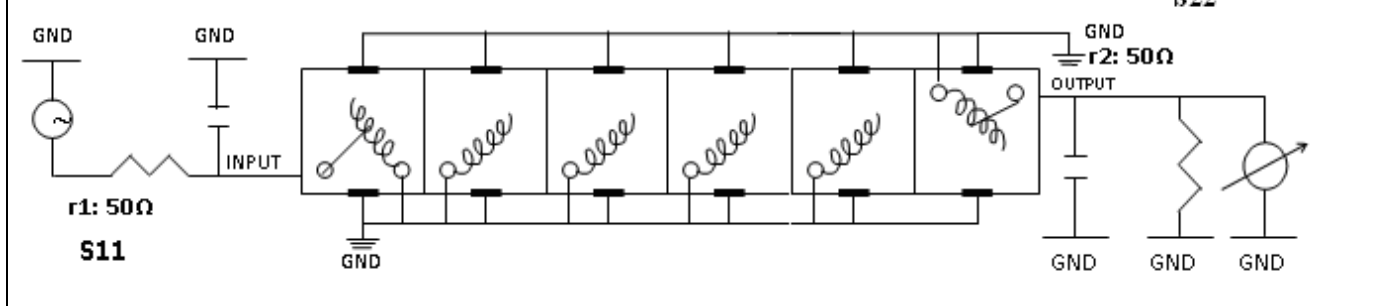
Operating Temperature 0°C ~ +60°C

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(- -).



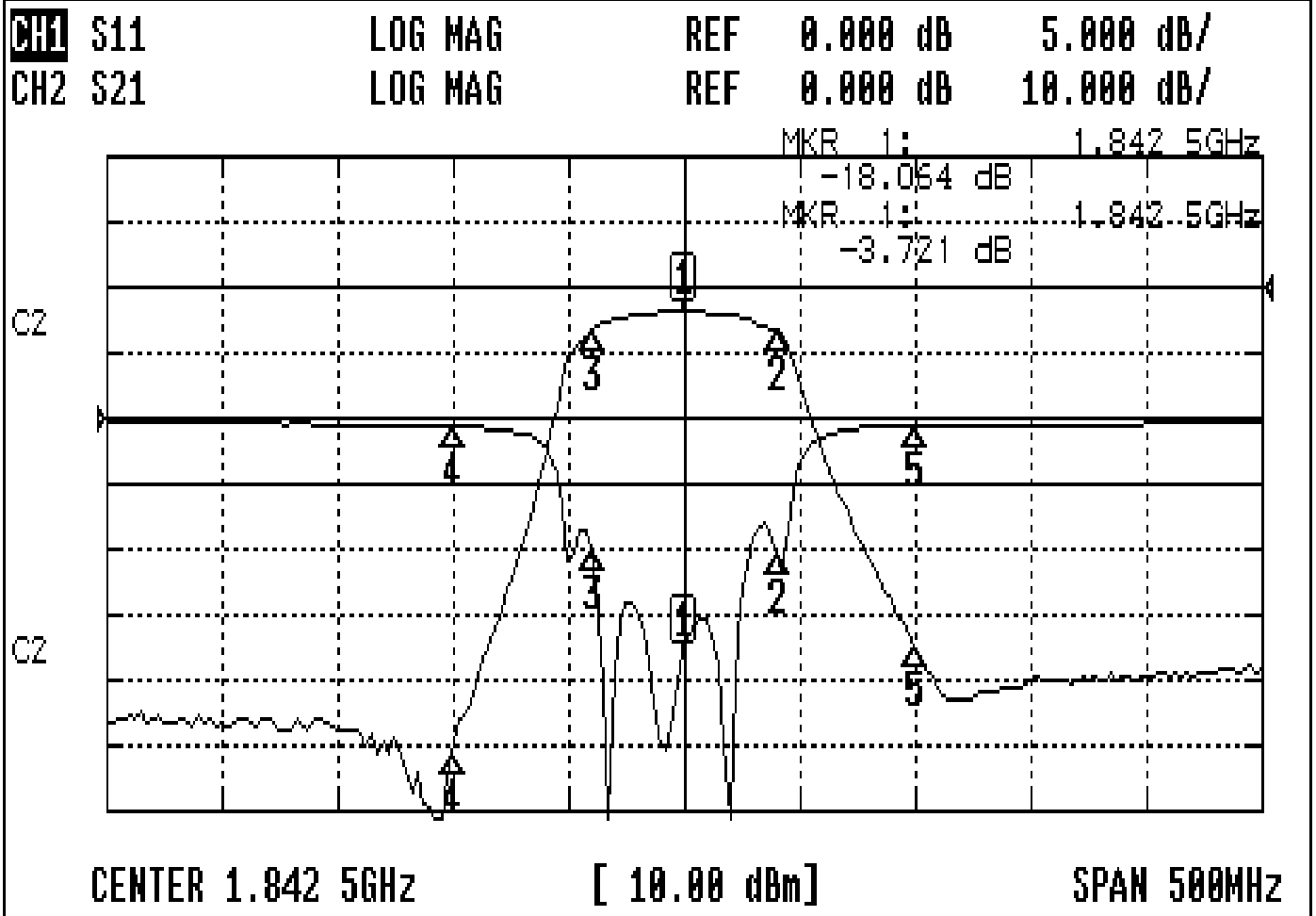
(Bottom View)

Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	C.H.Yeh	5W6S(3.8*4.0)(4.03) 5HW046RB3.2 (J1)

TEMWELL CORPORATION

Performance-TSW6411B-1842.5M

201911104CD



CH1 MARKER LIST

1	1.842	5000GHZ	-18.064	dB
2	1.882	5005GHZ	-10.423	dB
3	1.802	5000GHZ	-9.933	dB
4	1.742	5000GHZ	-0.594	dB
5	1.942	500GHZ	-0.525	dB

CH2 MARKER LIST

1	1.842	5000GHZ	-3.721	dB
2	1.882	5005GHZ	-6.744	dB
3	1.802	5000GHZ	-6.753	dB
4	1.742	5000GHZ	-70.937	dB
5	1.942	500GHZ	-54.711	dB