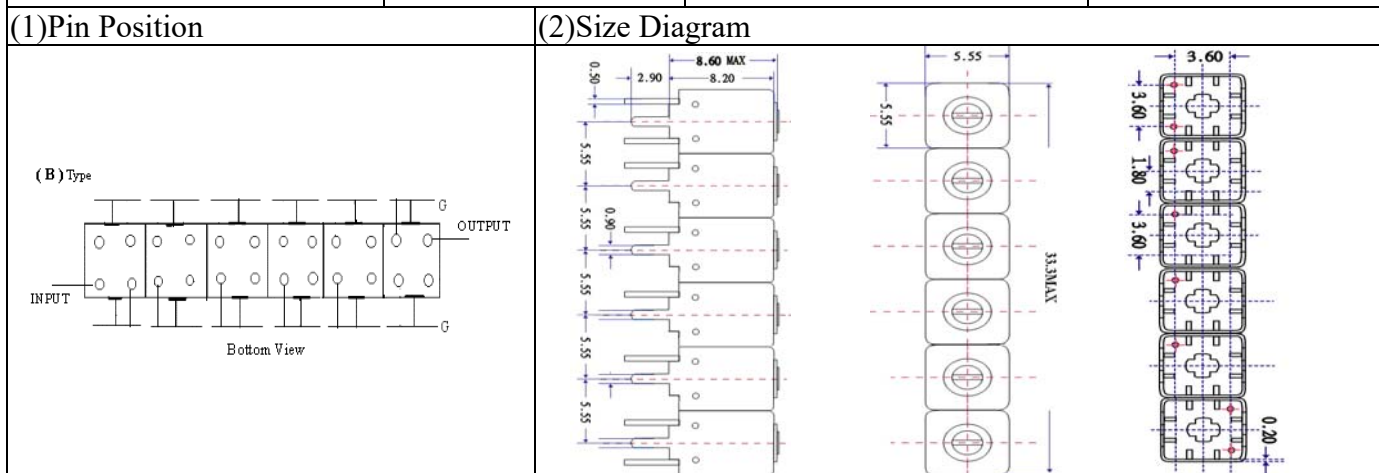


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TSW6414B-2017.5M
Approval No. /dated		Temwell's Print name.	6414B 2017.5M
Work Instruction No.	201911107CD	Date	Jun.19.2020



(3)Electric Chararistic

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	2017.5 MHz	2017.5 MHz
Insertion Loss	Typ. 12.0 dB	11.26 dB
-3 dB Bandwidth	Typ. 15 MHz	23.2 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 61 dBc
	Fo +100 MHz	Typ. 37 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	19.5 dB
Ripple	< 1 dB	dB
Impedance	In / Out : 50 Ω	In / Out : 50 Ω

(4)Torque for Tuning Screw

> 60gf • cm

(5)Temperature Condition:

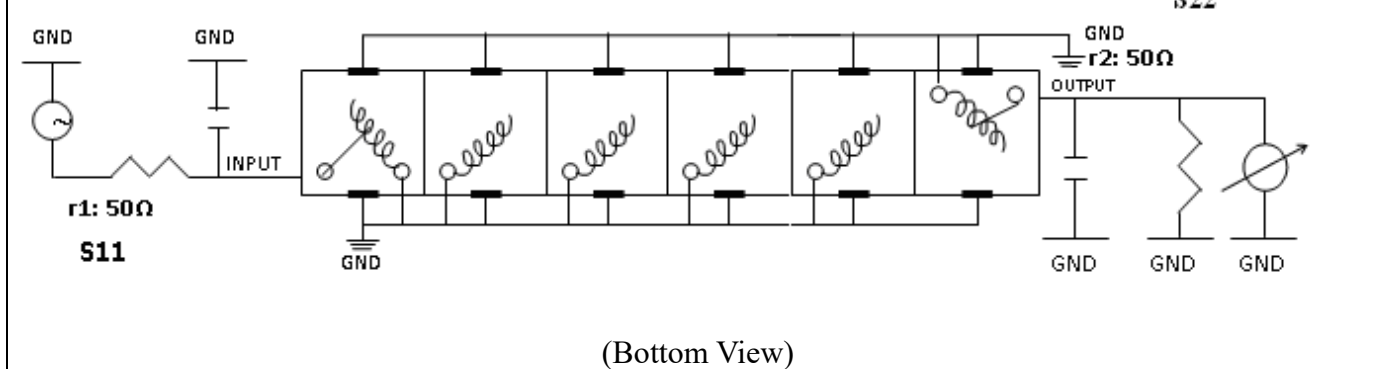
Operating Temperature 0°C ~ +60°C

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	5W6S(3.8*3.5)(3.52) 5HW046RB3.2 (J1)

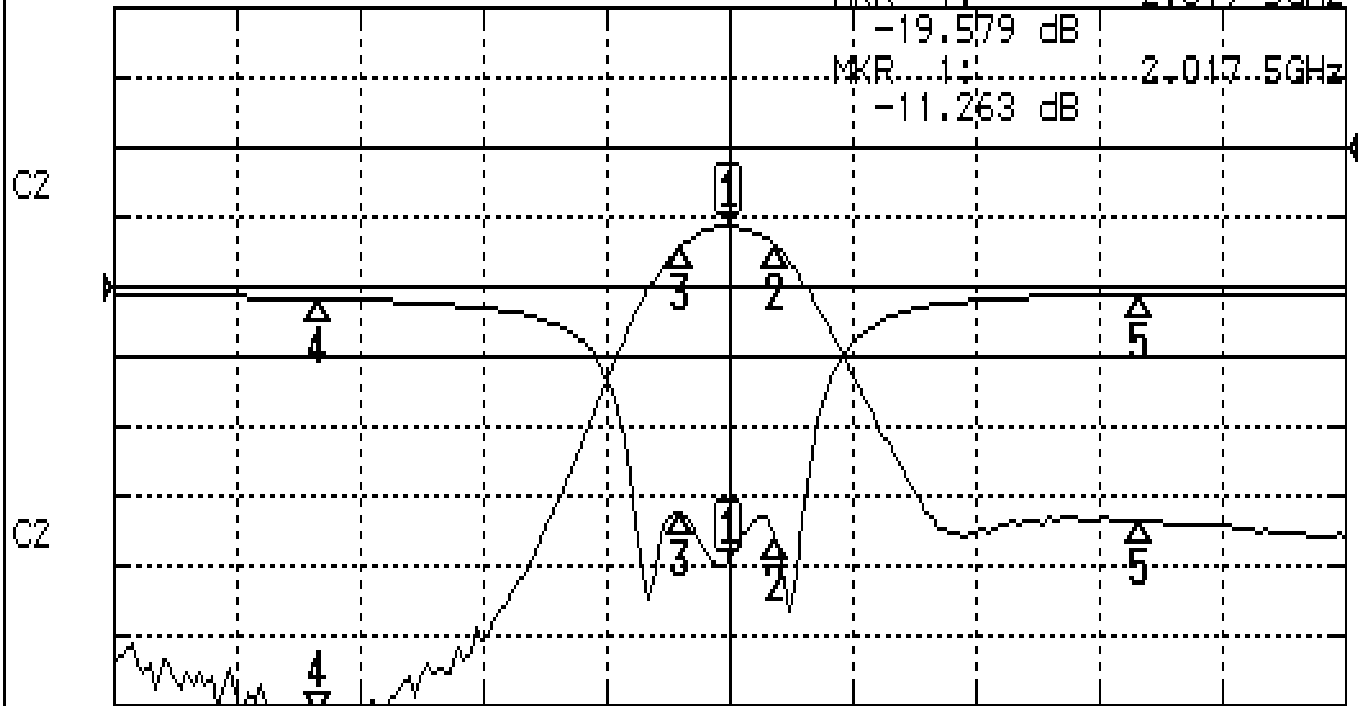
TEMWELL CORPORATION

Performance-TSW6414B-2017.5M

201911107CD

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

MKR 1: 2.017 5GHz
-19.579 dB
MKR 1: 2.017 5GHz
-11.263 dB



CENTER 2.017 5GHz

[10.00 dBm]

SPAN 300MHz

CH1 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.017	-19.579
2	2.028	-18.049
3	2.005	-16.186
4	1.917	-0.843
5	2.117	-0.590

CH2 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.017	-11.269
2	2.028	-14.237
3	2.005	-14.249
4	1.917	-82.506
5	2.117	-53.362