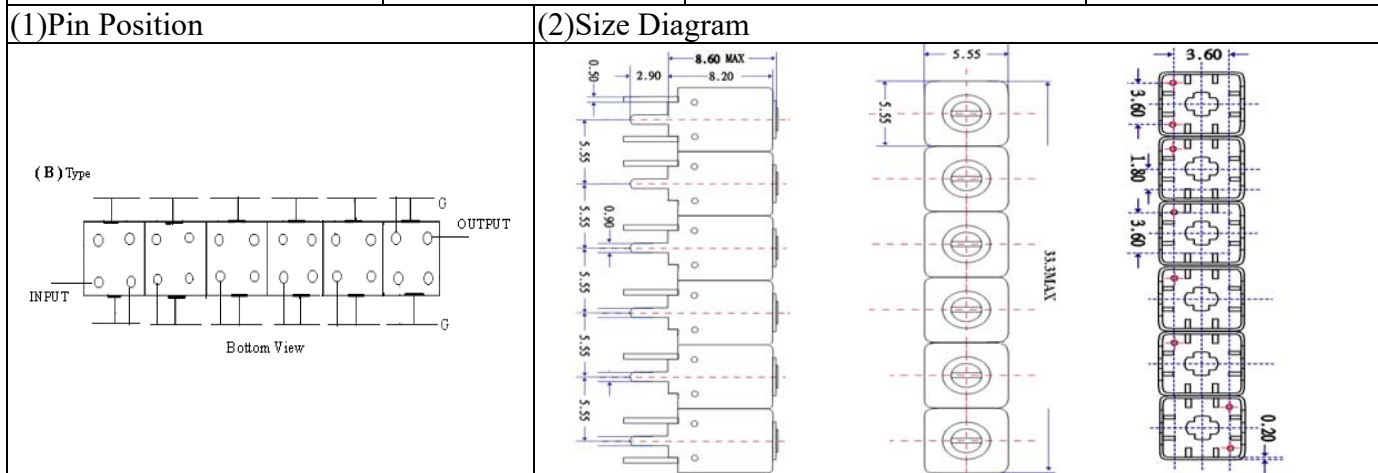


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TSW6417B-2155M
Approval No. /dated		Temwell's Print name.	6417B 2155M
Work Instruction No.	201911110CD	Date	Jun.15.2020



(3)Electric Chararistic

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	2155 MHz	2155 MHz	
Insertion Loss	Typ. 4.5 dB	3.61 dB	
-3 dB Bandwidth	Typ. 90 MHz	96.1 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 42 dBc	47 dBc
	Fo +100 MHz	Typ. 33 dBc	38 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	20.4 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

(4)Torque for Tuning Screw

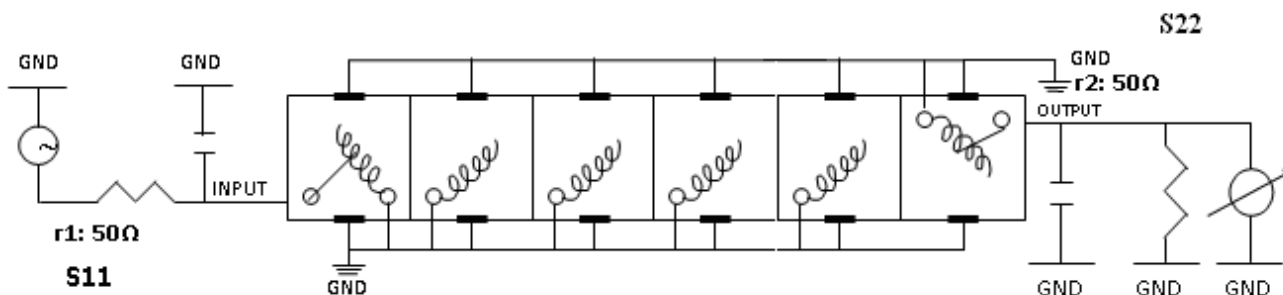
(4)Torque for Tuning Screw	> 60gf • cm
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(5)Temperature Condition:

Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C

(6)Input Power	> 0.5Watt
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(7) Measuring Circuit: ※Easy to match Impedance S11/S22 50Ω by parallel with about(- -).



(Bottom View)

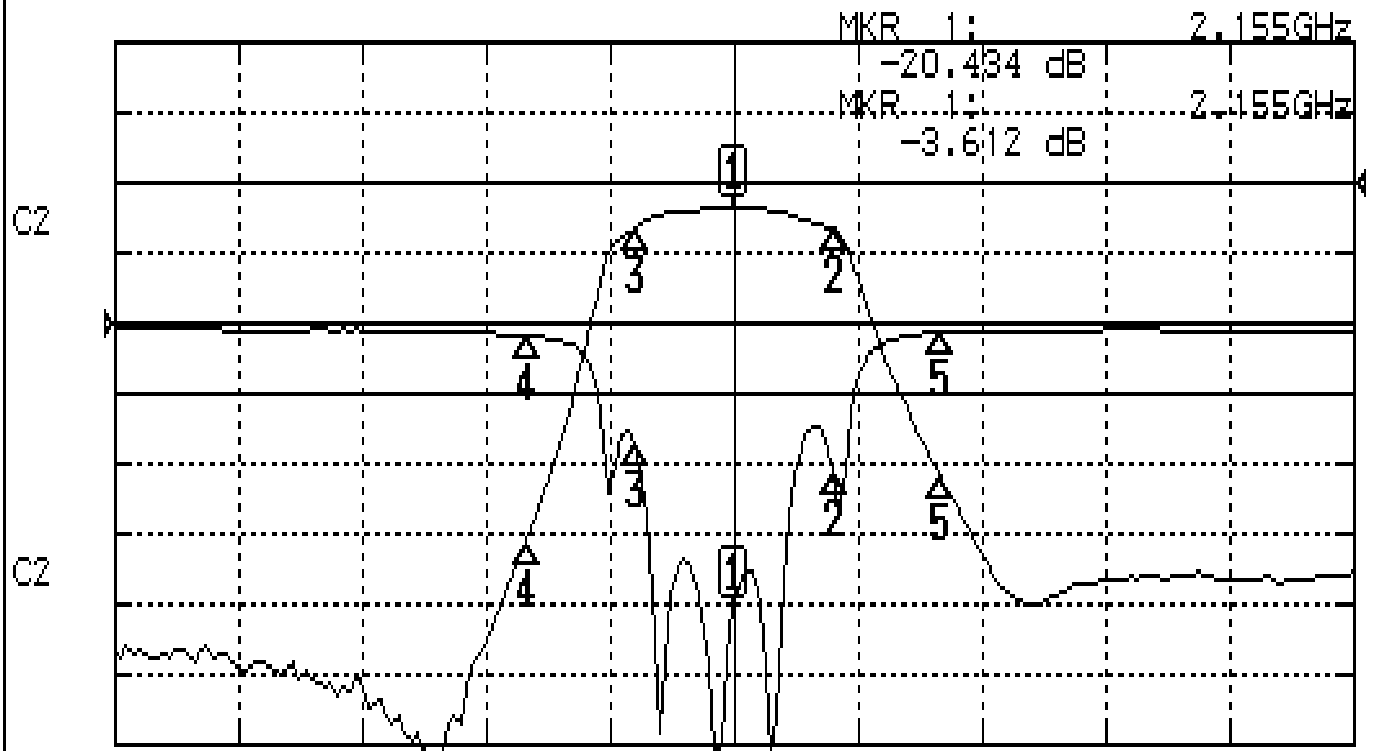
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	C.H.Yeh	5W6S(3.8*4.5)(4.52) 5HW046RB3.2 (J1)

TEMWELL CORPORATION

Performance-TSW6417B-2155M

20191110CD

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



CENTER 2.155GHz

[10.00 dBm]

SPAN 600MHz

CH1 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.155000	-20.419
2	2.203020	-10.665
3	2.106900	-8.502
4	2.055000	-0.888
5	2.255000	-0.670

CH2 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	2.155000	-3.612
2	2.203020	-6.651
3	2.106900	-6.625
4	2.055000	-50.911
5	2.255000	-41.625