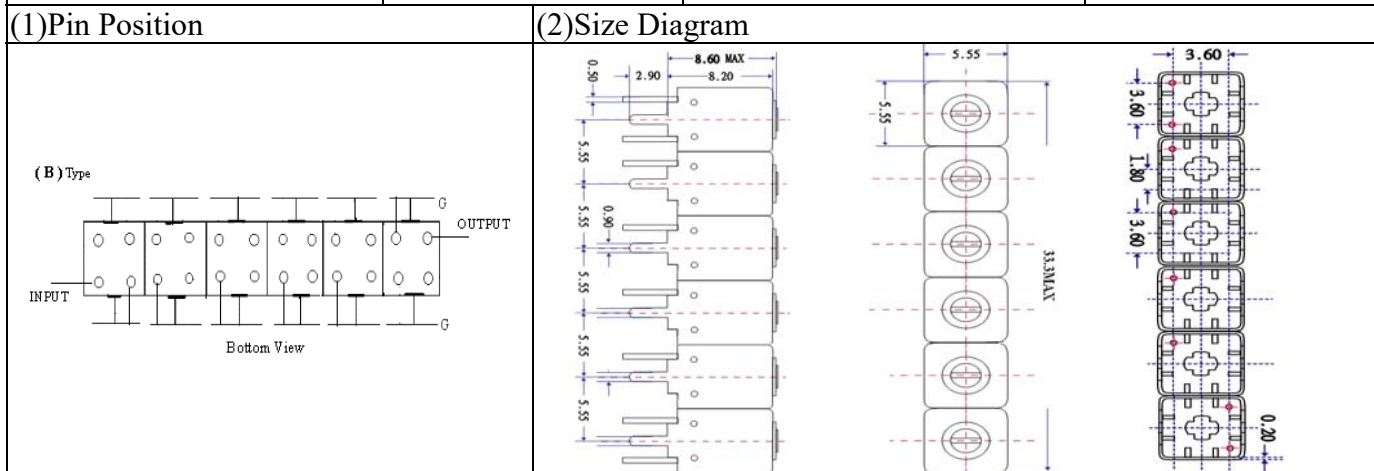


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TSW6409B-1960M
Approval No. /dated		Temwell's Print name.	6409B 1960M
Work Instruction No.	201911102CD	Date	Jun.10.2020



### (3)Electric Chararistic

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1960 MHz	1960 MHz	
Insertion Loss	Typ. 5.5 dB	4.62 dB	
-3 dB Bandwidth	Typ. 60 MHz	65.0 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 60 dBc	70 dBc
	Fo +100 MHz	Typ. 48 dBc	53 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	21.9 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

### (4)Torque for Tuning Screw

> 60gf • cm

### (5)Temperature Condition:

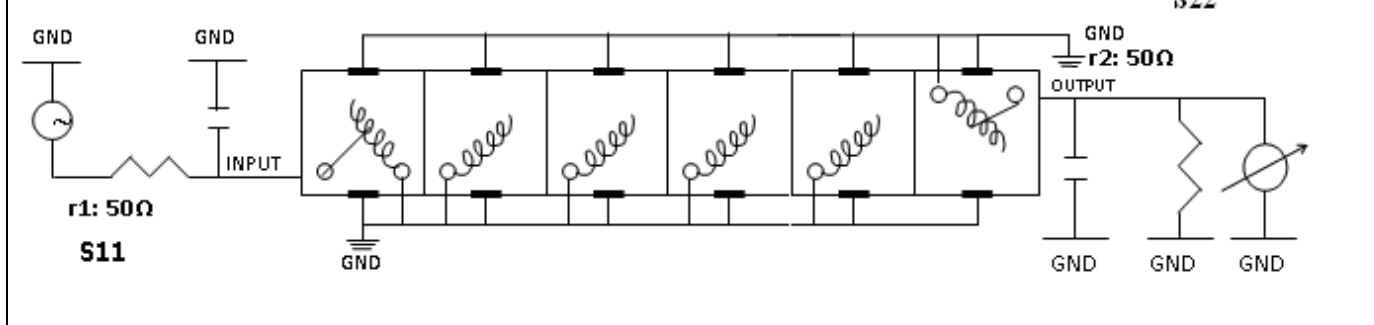
Operating Temperature: 0°C ~ +60°C

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(- -).



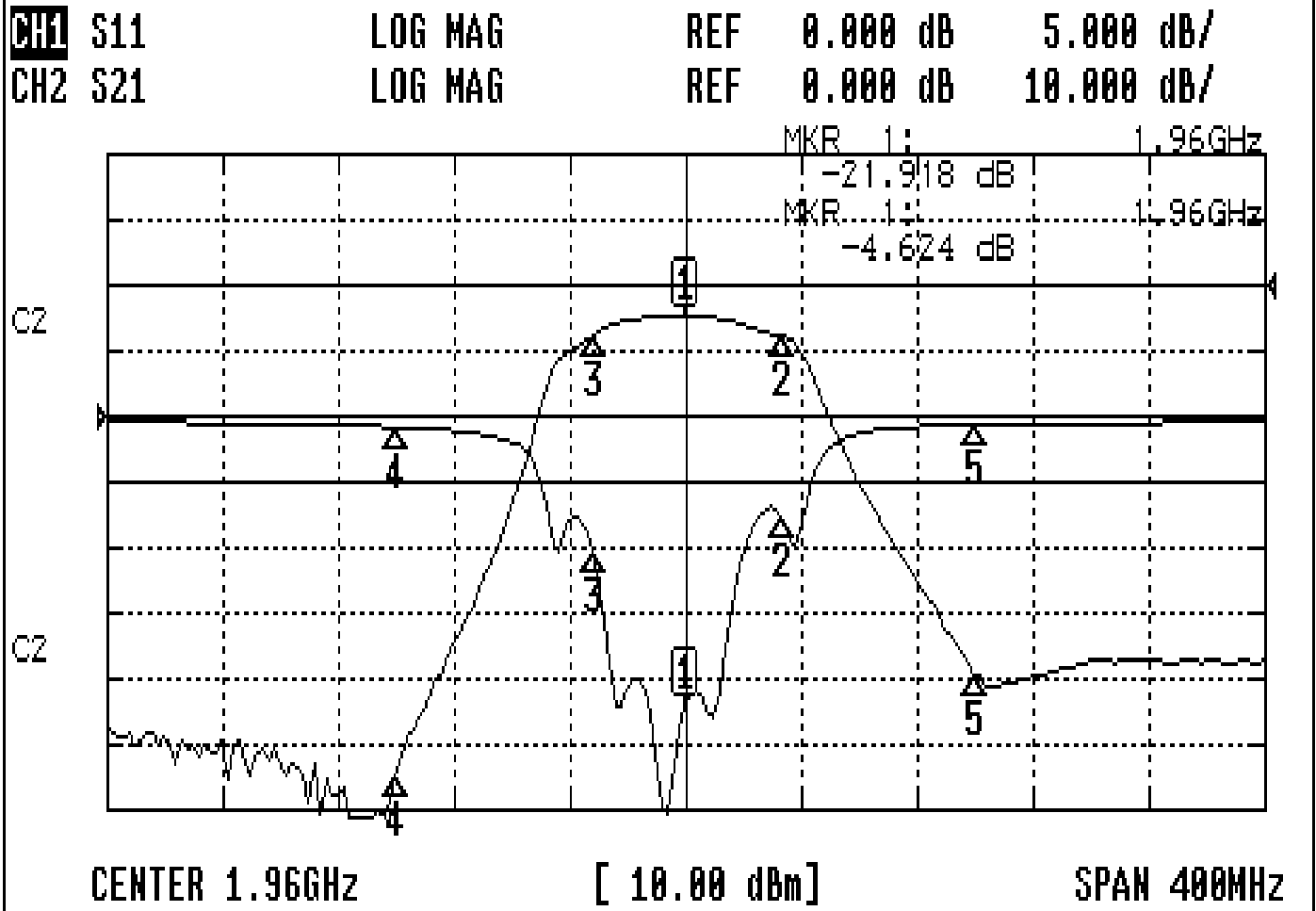
(Bottom View)

Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	C.H.Yeh	5W6S(3.8*4.0)(4.02) 5HW046RB3.2 (J1)

TEMWELL CORPORATION

# Performance-TSW6409B-1960M

## 201911102CD



### CH1 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	1.960000	-21.918
2	1.999300	-7.621
3	1.920000	-10.330
4	1.860000	-0.773
5	2.060000	-0.597

### CH2 MARKER LIST

Marker	Freq (GHz)	Magnitude (dB)
1	1.960000	-4.624
2	1.999300	-7.642
3	1.920000	-7.643
4	1.860000	-74.866
5	2.060000	-58.276