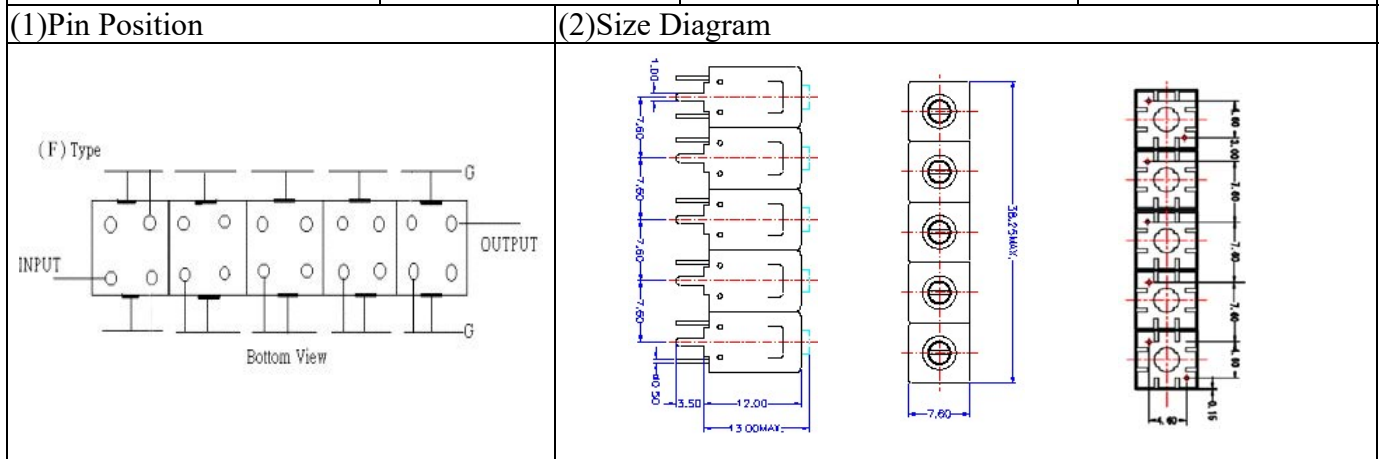


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TV7072F-470M
Approval No. /dated		Temwell's Print Name.	7072F 470M
Work Instruction No.	202010025CD	Date	Nov.06.2020



### (3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	470 MHz	470 MHz	
Insertion Loss	Typ. 2.0 dB	1.45 dB	
-3 dB Bandwidth	Typ. 45 MHz	48.8 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 48 dBc	53 dBc
	Fo + 50 MHz	Typ. 25 dBc	30 dBc
	Fo - ( )MHz	Typ. dB	dB
	Fo +( )MHz	Typ. dB	dB
Return Loss	Min. 12 dB	21.7 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

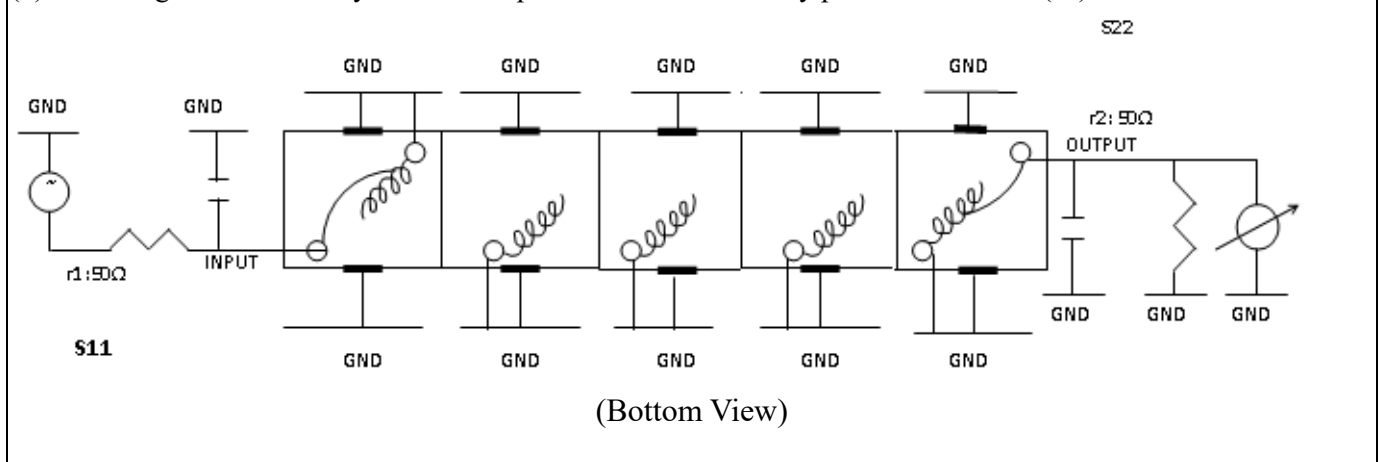
(4) Torque for Tuning Screw > 60gf · cm

### (5) Temperature Condition:

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

(6) Input Power > 1Watt

(7) Measuring Circuit: ※Easy to match Impedance S11/S22 50Ω by parallel with about(- -).



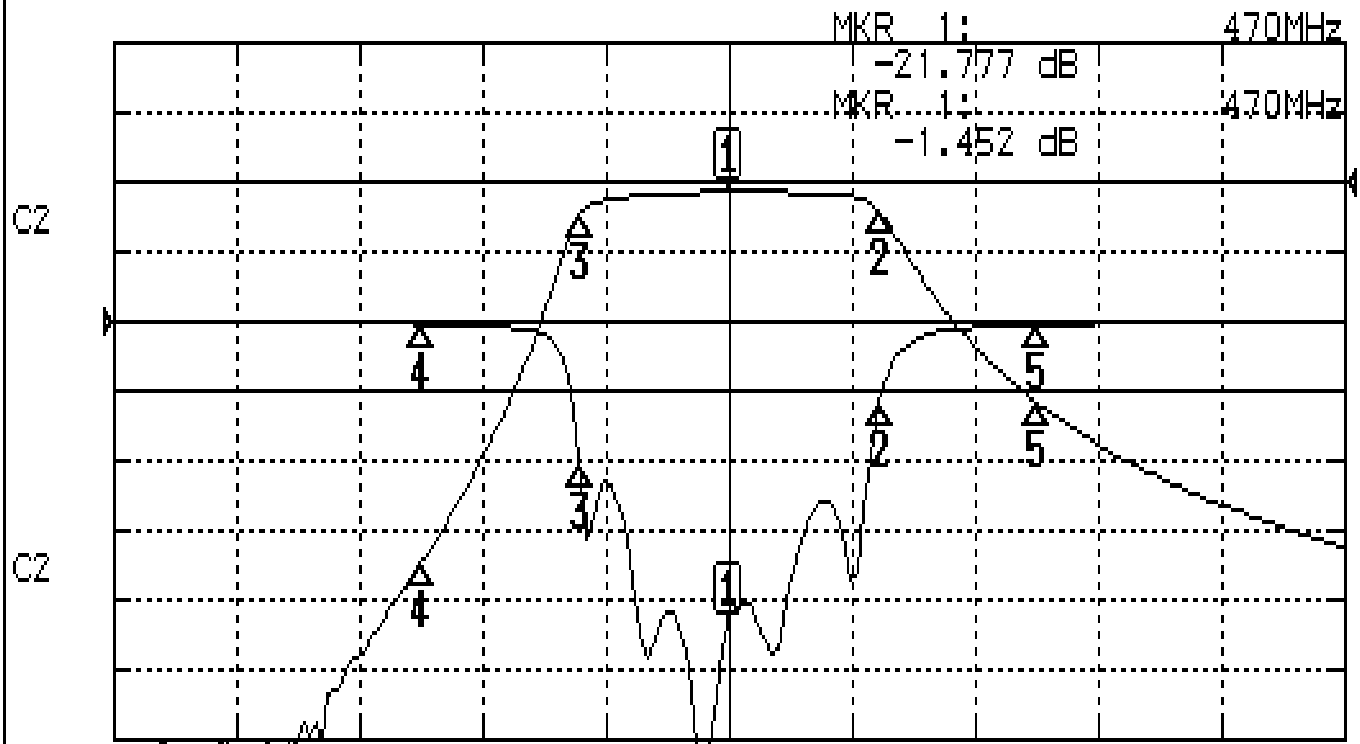
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	Z.Y.Wang	7H5S(4*8.0)(8.02) 7H046LB5(J1)

TEMWELL CORPORATION

# Performance-TV7072F-470M

## 202010025CD

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



CENTER 470MHz

[ 10.00 dBm ]

SPAN 200MHz

### CH1 MARKER LIST

1:	470.000MHz	-21.777 dB
2:	494.620MHz	-5.816 dB
3:	445.810MHz	-10.184 dB
4:	420.000MHz	-0.155 dB
5:	520.000MHz	-0.225 dB

### CH2 MARKER LIST

1:	470.000MHz	-1.452 dB
2:	494.620MHz	-4.474 dB
3:	445.810MHz	-4.468 dB
4:	420.000MHz	-54.410 dB
5:	520.000MHz	-31.637 dB