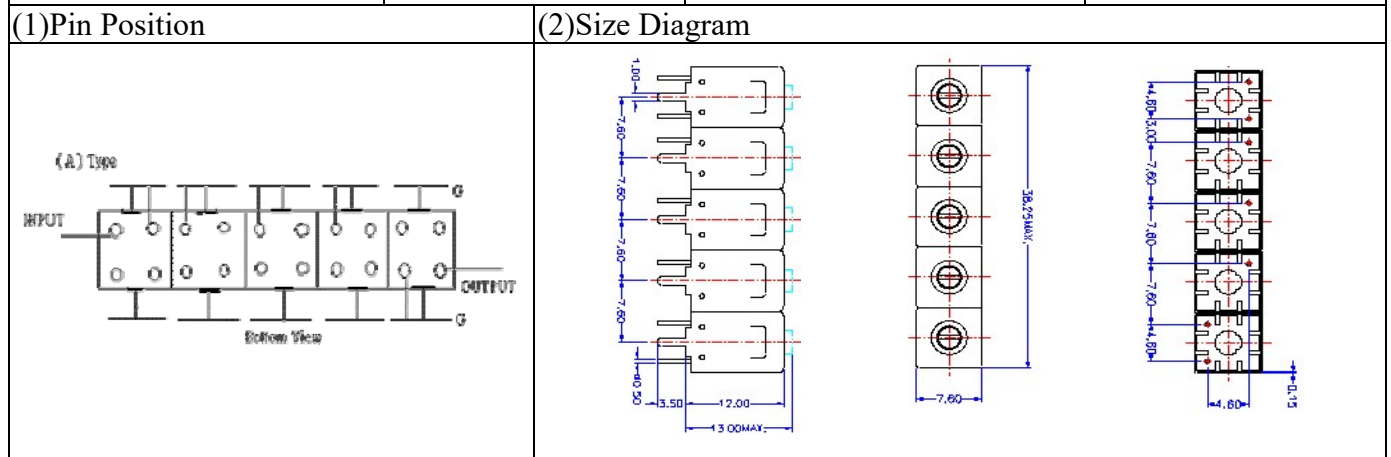


VHF UHF Helical Filter Specification Sheet

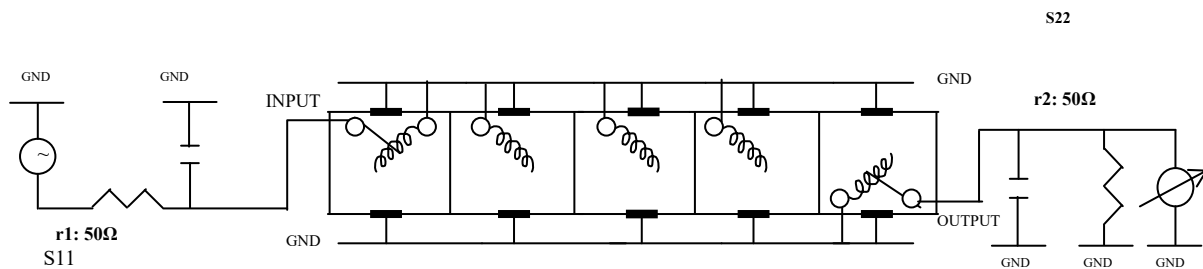
Customer Name		Temwell's Part No.	TV70124A-600M
Approval No. /dated		Temwell's Print Name.	70124A 600M
Work Instruction No.	202010035CD	Date	Nov.19.2020



(3)Electric Charasteric

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	600 MHz	600 MHz	
Insertion Loss	Typ. 3.5 dB	2.45 dB	
-3 dB Bandwidth	Typ. 35 MHz	38.5 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 61 dBc	71 dBc
	Fo + 100 MHz	Typ. 56 dBc	66 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	19.4 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(- -).



(Bottom View)

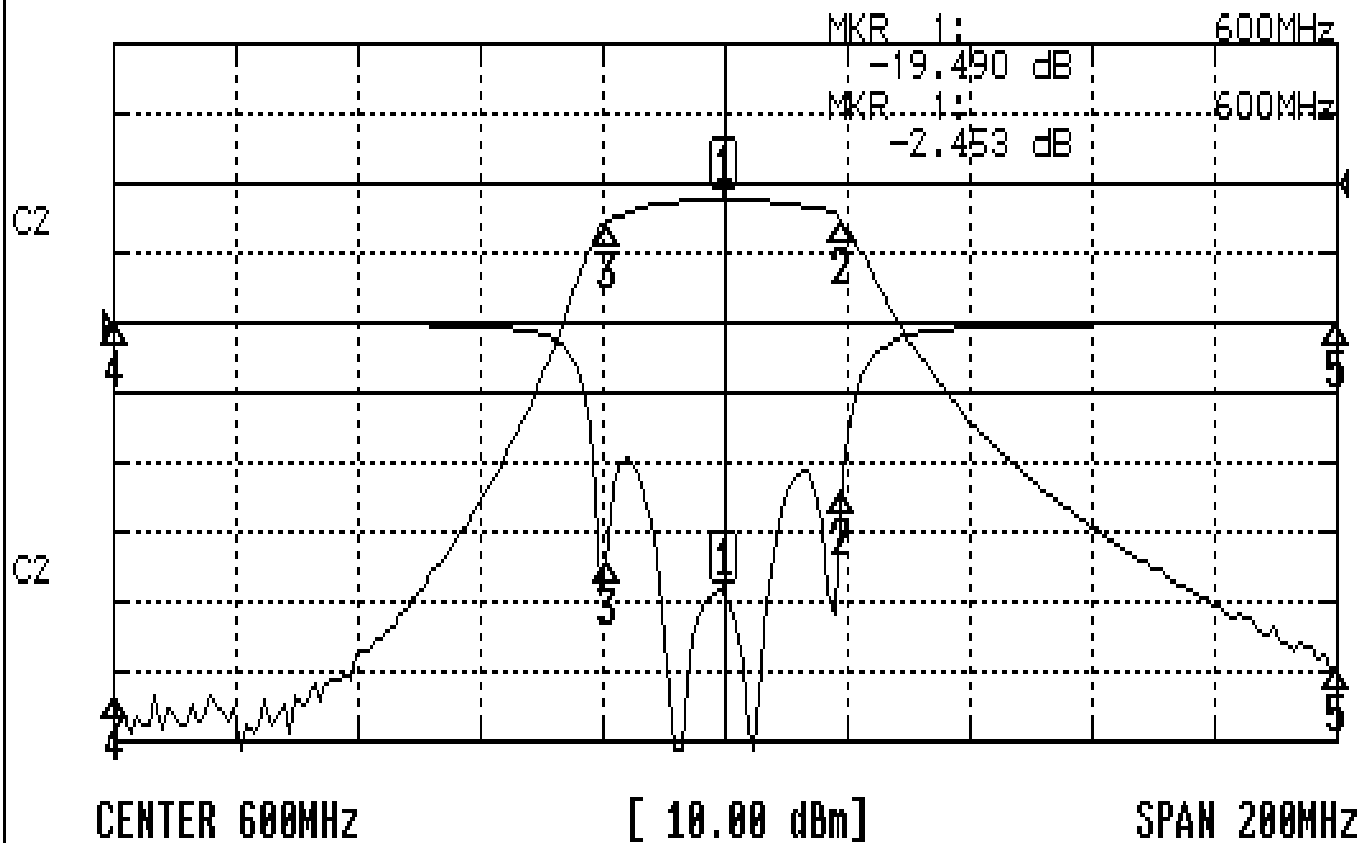
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	C.H.Yeh	7H5S(4*5.5)(5.58) 7H046LB5

TEMWELL CORPORATION

Performance- TV70124A-600M

202010035CD

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



CH1 MARKER LIST

1:	600.000MHz	-19.490 dB
2:	619.280MHz	-12.321 dB
3:	580.730MHz	-16.693 dB
4:	500.000MHz	-0.057 dB
5:	700.000MHz	-0.038 dB

CH2 MARKER LIST

1:	600.000MHz	-2.453 dB
2:	619.280MHz	-5.453 dB
3:	580.730MHz	-5.455 dB
4:	500.000MHz	-73.403 dB
5:	700.000MHz	-69.236 dB