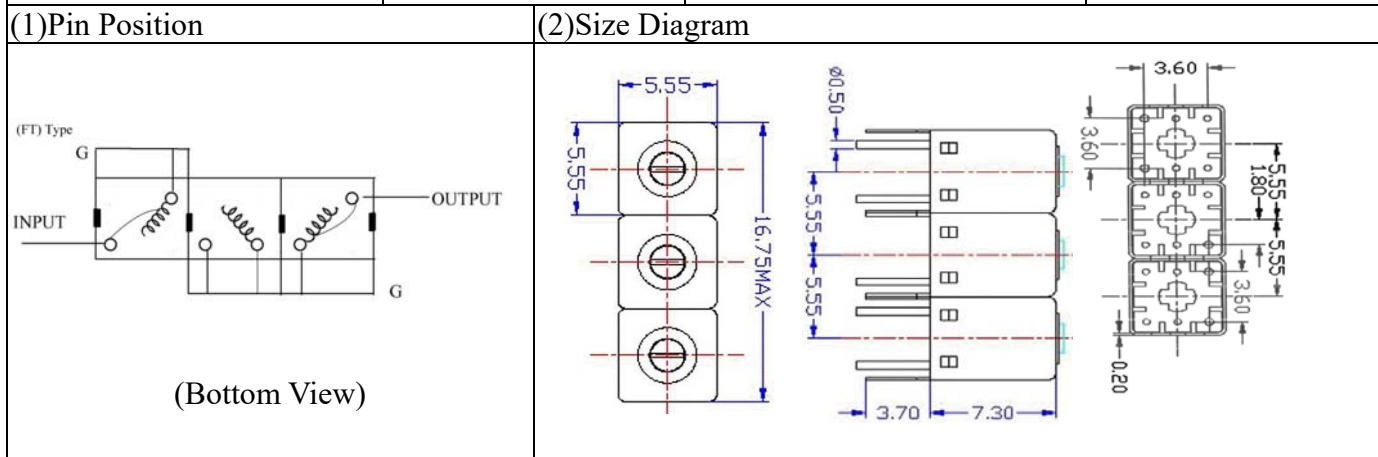


VHF UHF Helical Filter Specification Sheet

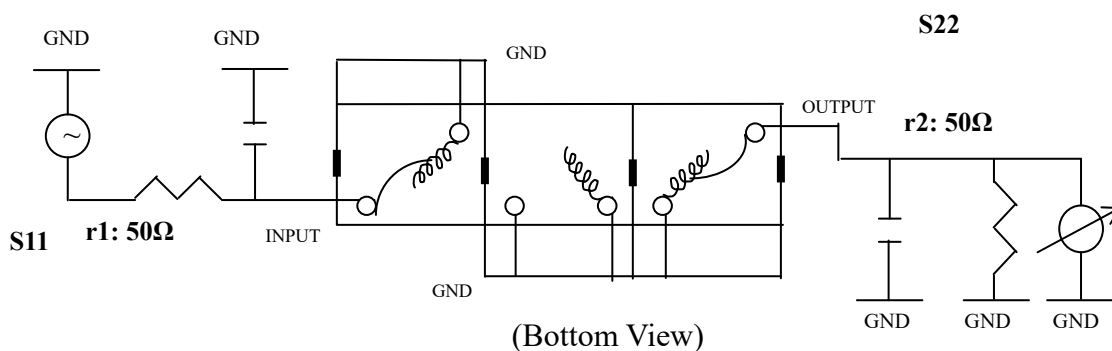
Customer Name		Temwell's Part No.	TTR3896FT-412M
Approval No. /dated		Temwell's Print Name	3896FT 412M
Work Instruction No.	201905111C	Date	Jun.06.2019



(3) Electric Characteristic

Item	Specify
Center Freq.(Fo) +/- 0.5 %	412 MHz
Insertion Loss	Typ. 3.0 dB
-3 dB Bandwidth	Typ. 20 MHz
Sensitivity (Attenuation)	Fo - 50 MHz Typ. 25 dB
	Fo + 50 MHz Typ. 28 dB
	Fo - ()MHz Typ. dB
	Fo +()MHz Typ. dB
Return Loss	Min. 12 dB
Ripple	< 1 dB
Impedance	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(--).

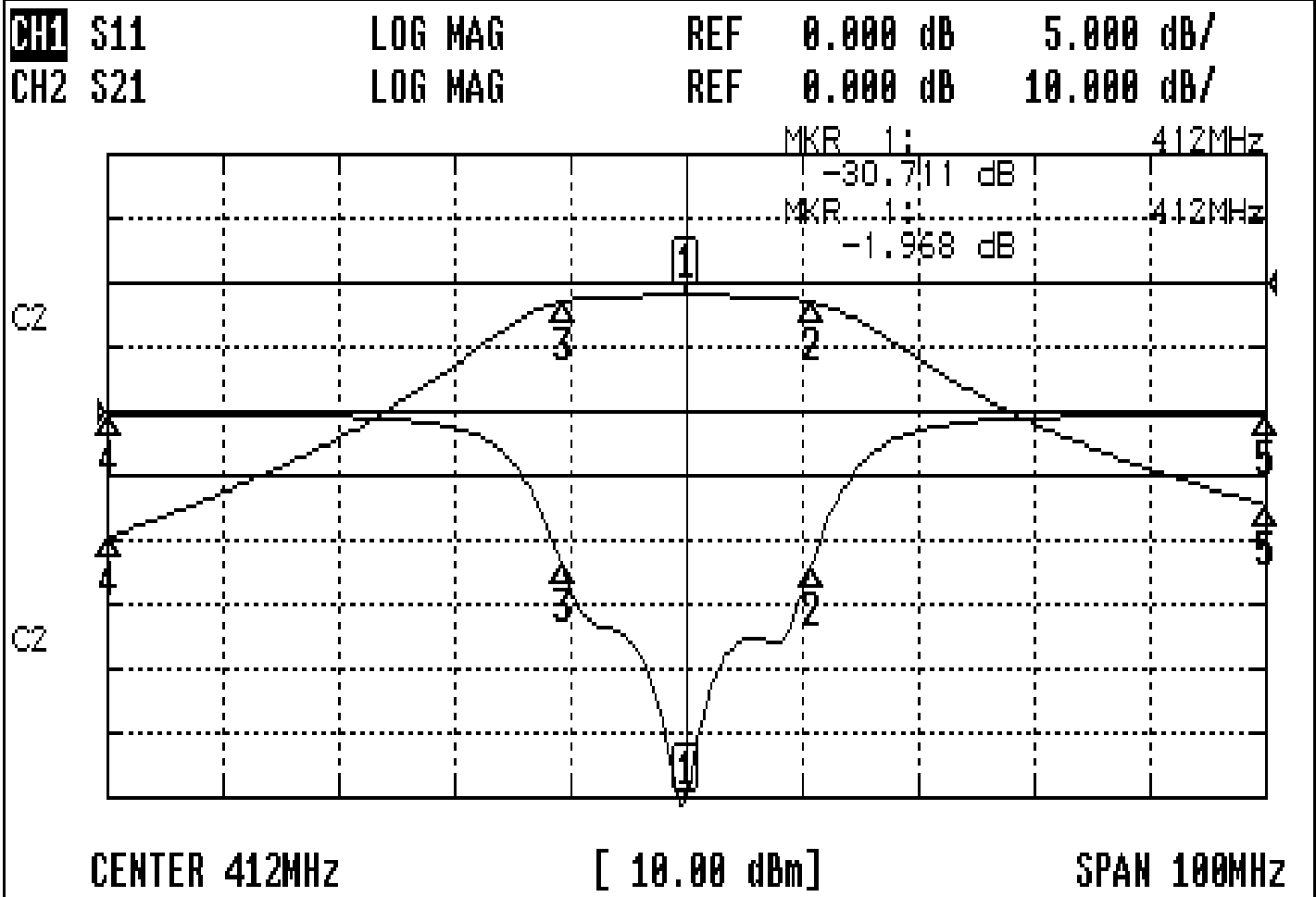


Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	P.H.Chiang	5R3S(3.8*4.2)(4.29) 5HW020RB3.5

TEMWELL CORPORATION

Performance-TTR3896FT-412M

20190511C



CH1 MARKER LIST

1:	412.000MHz	-30.711 dB
2:	422.910MHz	-11.888 dB
3:	401.250MHz	-11.792 dB
4:	362.000MHz	-0.169 dB
5:	462.000MHz	-0.228 dB

CH2 MARKER LIST

1:	412.000MHz	-1.968 dB
2:	422.910MHz	-2.991 dB
3:	401.250MHz	-2.974 dB
4:	362.000MHz	-39.515 dB
5:	462.000MHz	-34.472 dB