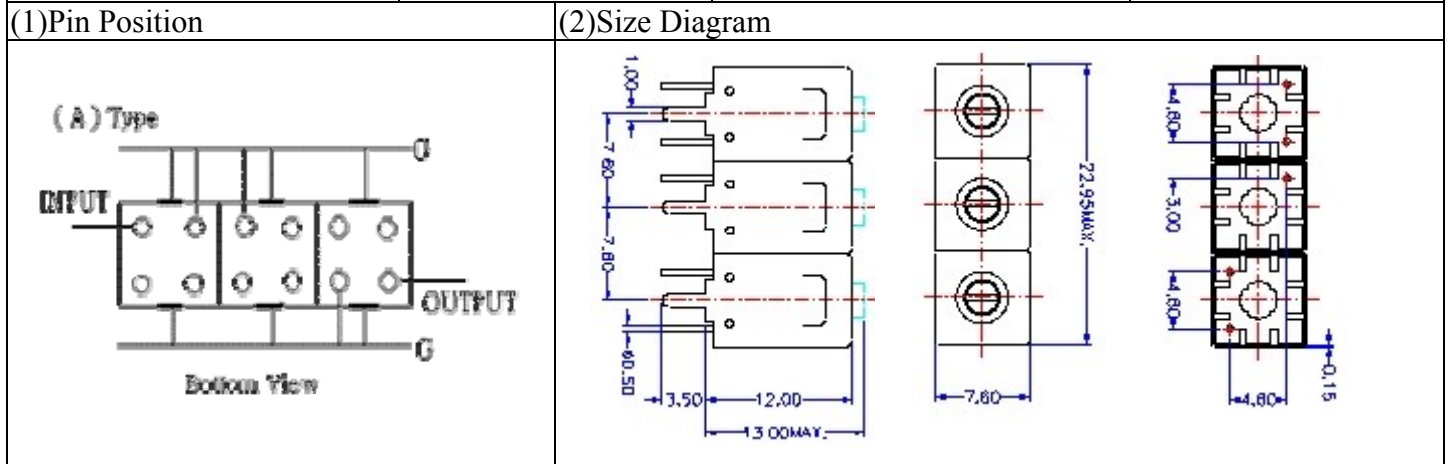


VHF UHF Helical Filter Specification Sheet

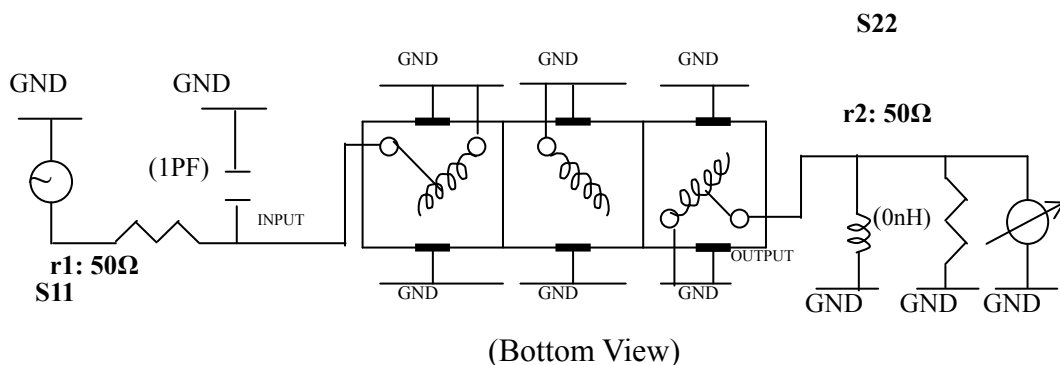
Customer Name		Temwell's Part No.	TT67413A-838M
Approval No. /dated	0610057B	Acceptable Specify Fo Range	831-860 MHz
Work Instruction No.	0610057B	Date	Dec.12.2006



(3) Electric Characteristic			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		838 MHz	838 MHz
Tunable Range		838±5 MHz	838±5 MHz
Insertion Loss		Typ. 2.0 dB	1.01 dB
-3 dB Bandwidth		Typ. 60 MHz	65.8 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 34 dBc	37 dBc
	Fo + 100 MHz	Typ. 18 dBc	21 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	15.7 dB
Ripple		< 1 dB	dB
Impedance		In / Out : 50 Ω	In / Out : 50 Ω
(4) Torque for Tuning Screw		> 100gf · 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 (1PF) / (0 nH).



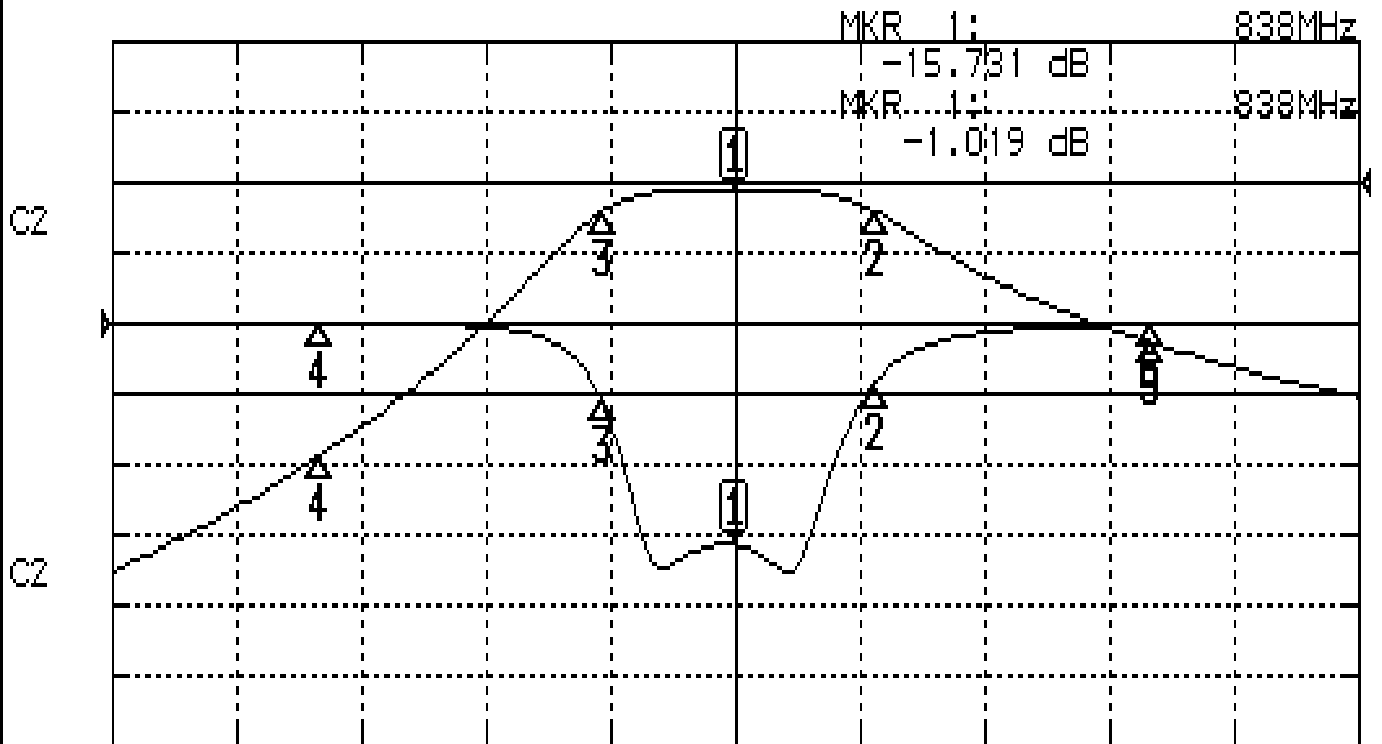
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.H.Chang	7H3, 4*8.0(8.02) 7H046LB5

TEMWELL CORPORATION

Performance-TT67413A-838M

0610057B

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



CENTER 838MHz

[10.00 dBm]

SPAN 300MHz

CH1 MARKER LIST

1	838.000MHz	-15.731 dB
2	871.500MHz	-4.331 dB
3	805.750MHz	-5.369 dB
4	738.000MHz	-0.069 dB
5	938.000MHz	-0.060 dB

CH2 MARKER LIST

1	838.000MHz	-1.019 dB
2	871.500MHz	-4.039 dB
3	805.750MHz	-4.081 dB
4	738.000MHz	-18.734 dB
5	938.000MHz	-22.666 dB