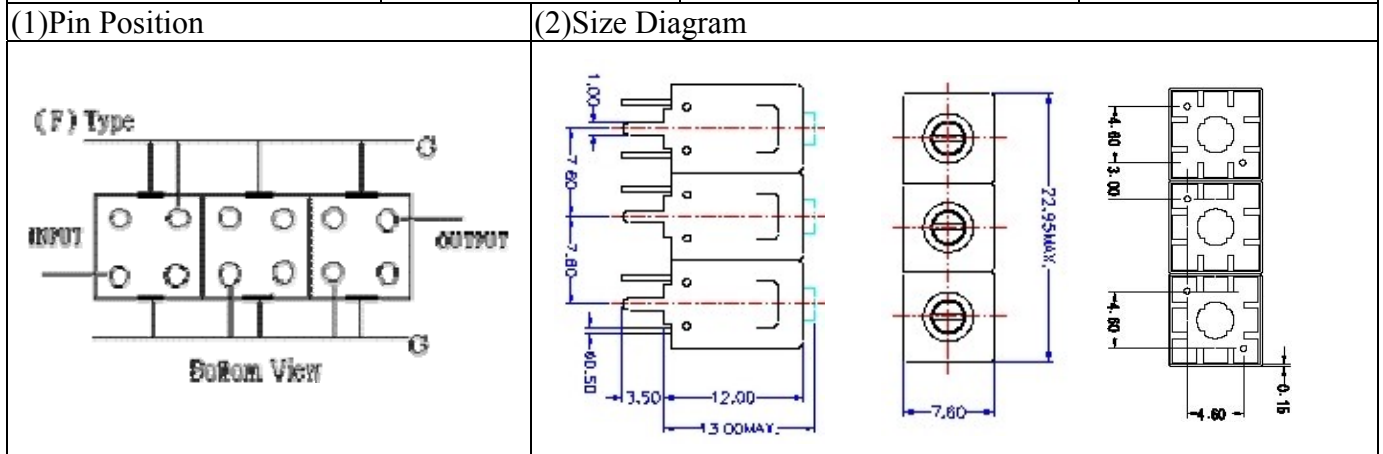


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTL63253F-83.25M
Approval No. /dated	0809126CD	Temwell's print name	63253F 83.25M
Work Instruction No.	200809126CD	Date	Oct.03.2008



(3) Electric Charasteric			
Item		Specify	Performance
Center Freq.(Fo ) +/- 0.5 %		83.25 MHz	83.25 MHz
Tunable Range:		83.25±2 MHz	83.25±2 MHz
Insertion Loss		Typ. 3.5 dB	2.57 dB
-3 dB Bandwidth		Typ. 7 MHz	8.4 MHz
Sensitivity (Attenuation )	Fo - 15 MHz	Typ. 37 dB	40 dB
	Fo + 15 MHz	Typ. 30 dB	33 dB
	Fo - ( )MHz	Typ. dB	dB
	Fo + ( )MHz	Typ. dB	dB
Return Loss		Min. 12 dB	24.3 dB
Ripple		< 1 dB	dB
Impedance		In / Out : 75 Ω	In / Out : 75 Ω

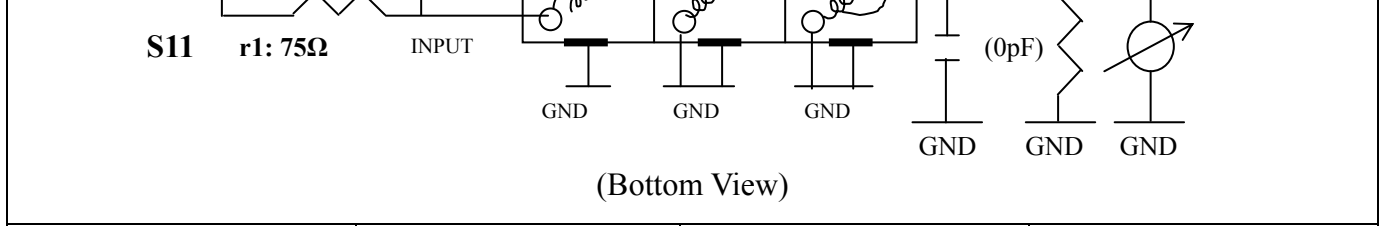
(4) Torque for Tuning Screw > 100gf · cm

(5) Temperature Condition:

Operating Temperature 0°C ~ +60°C

Storage Temperature -20°C ~ +70°C

(6) Input Power > 1Watt

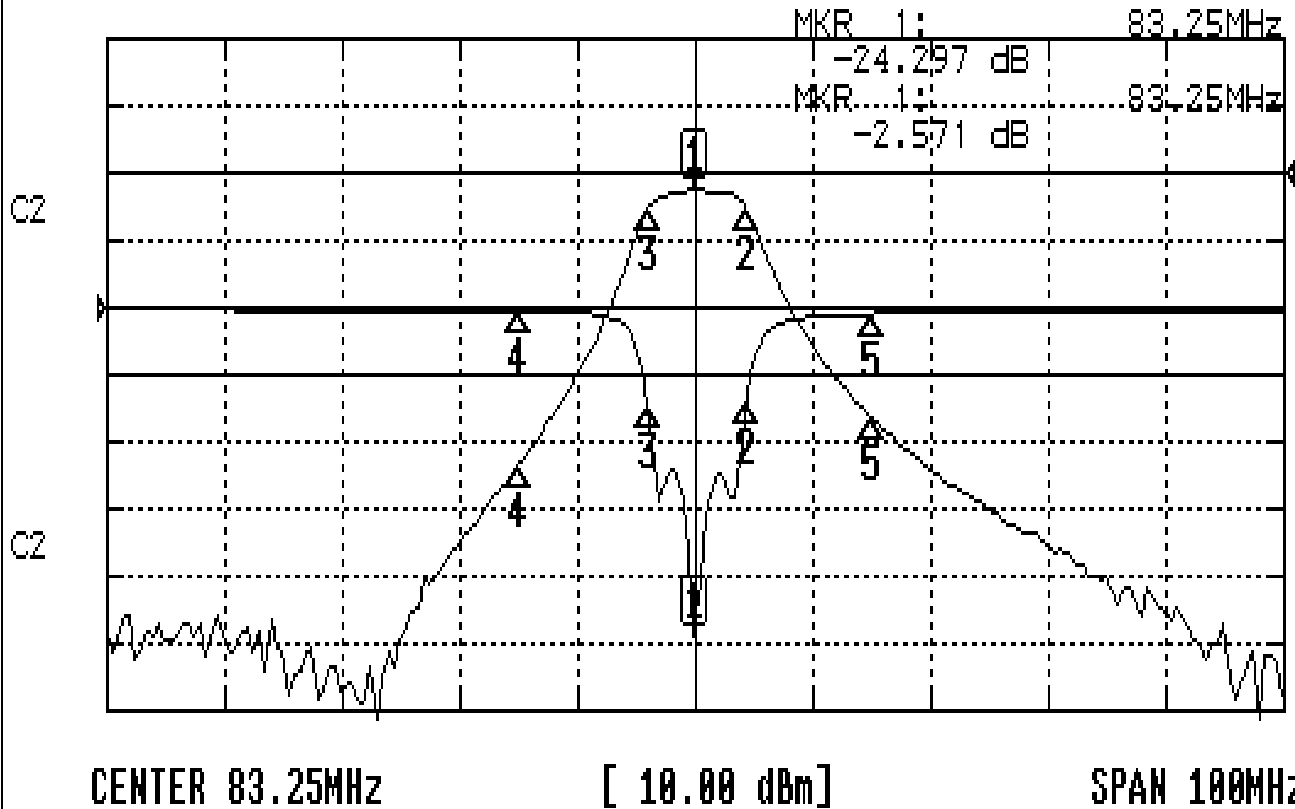


Approval C.Y.Chang	Supervisor C.S.Chang	Designer Y.H.Yeh	Aperture size 7H3S(4*6.5F) 7H00LB4/7H00LB6
TEMWELL CORPORATION			

# Performace-TTL63253F-83.25M

## 200809126CD

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

Marker	Frequency (MHz)	Magnitude (dB)
1:	83.250MHz	-24.361 dB
2:	87.666MHz	-7.084 dB
3:	79.250MHz	-7.236 dB
4:	68.250MHz	-0.240 dB
5:	98.250MHz	-0.445 dB

### CH2 MARKER LIST

Marker	Frequency (MHz)	Magnitude (dB)
1:	83.250MHz	-2.571 dB
2:	87.666MHz	-11.493 dB
3:	79.250MHz	-11.574 dB
4:	68.250MHz	-43.470 dB
5:	98.250MHz	-36.281 dB