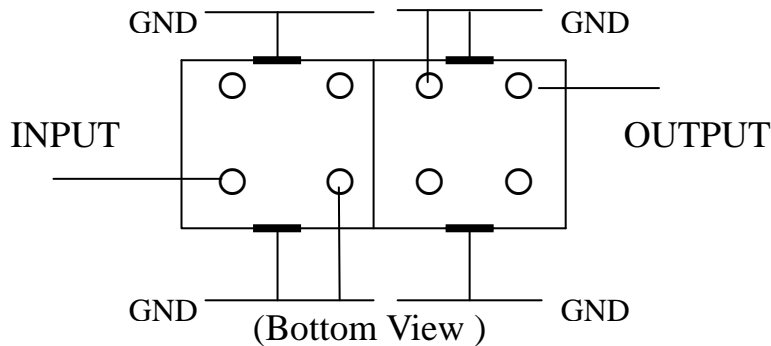


## VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TD67196B-119M
Approval No. /dated	20011016APR	Customer's Part No.	
Work Instruction No.	20011016B	Date	Aug.03.2006
<input type="checkbox"/> Buyer Print name		<input type="checkbox"/> Temwell's print name	108~125M
Case Name	7H2	Case size :	
Terminator Type	B		

\* Pin Position (Pin Connection) diagram as following  
( B ) Type



### (3) Electric Characteristic

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	119 MHz	119 MHz
Insertion Loss	Typ. 3 dB	1.80 dB
-3 dB Bandwidth	Typ. 7 MHz	8.2 MHz
Sensitivity (Attenuation)	Fo - 30 MHz	Typ. 23 dBc
	Fo + 30 MHz	Typ. 34 dBc
	Fo - ( ) MHz	Typ. dBc
	Fo + ( ) MHz	Typ. dBc
Return Loss	Min. 12 dB	19.8 dB
Ripple	< 1 dB	dB
Group Delay	ns	ns
Impedance	In / Out : 50 Ω	In / Out : 50 Ω
Torque for Tuning Screw	> 100gf · cm	

### 4. Temperature Condition:

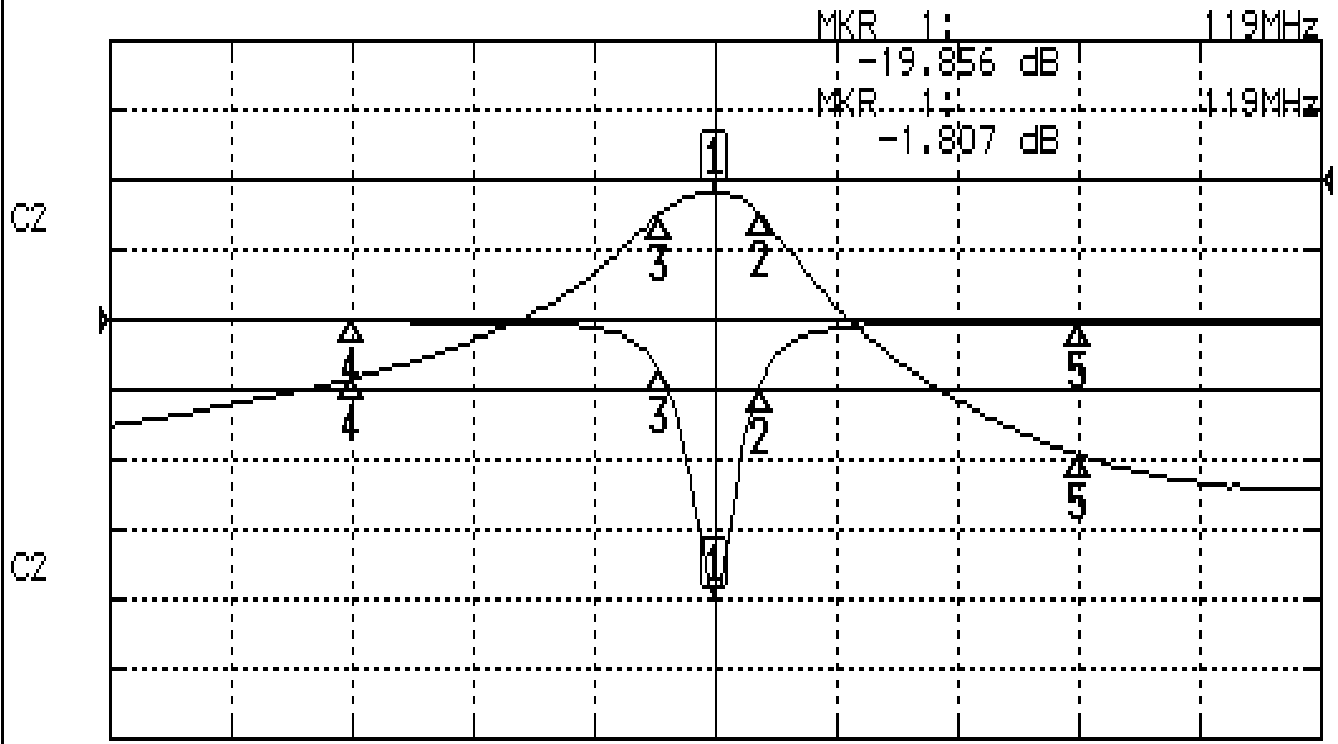
Operating Temperature	0 °C ~ +60 °C
Storage Temperature	-20 °C ~ +70 °C

Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	J.F.Lin	7H2,4* 6.5F 7H00LB4

# Performance-TD67196B-119M

## 20011016B

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



MKR 1: 119MHz  
 -19.856 dB  
 MKR 1: 119MHz  
 -1.807 dB

CENTER 119MHz [ 10.00 dBm ] SPAN 100MHz

### CH1 MARKER LIST

1	119.000MHz	-19.868 dB
2	122.666MHz	-14.835 dB
3	114.416MHz	-13.653 dB
4	89.000MHz	-0.129 dB
5	149.000MHz	-0.212 dB

### CH2 MARKER LIST

1	119.000MHz	-1.807 dB
2	122.666MHz	-14.785 dB
3	114.416MHz	-14.794 dB
4	89.000MHz	-120.354 dB
5	149.000MHz	-39.343 dB