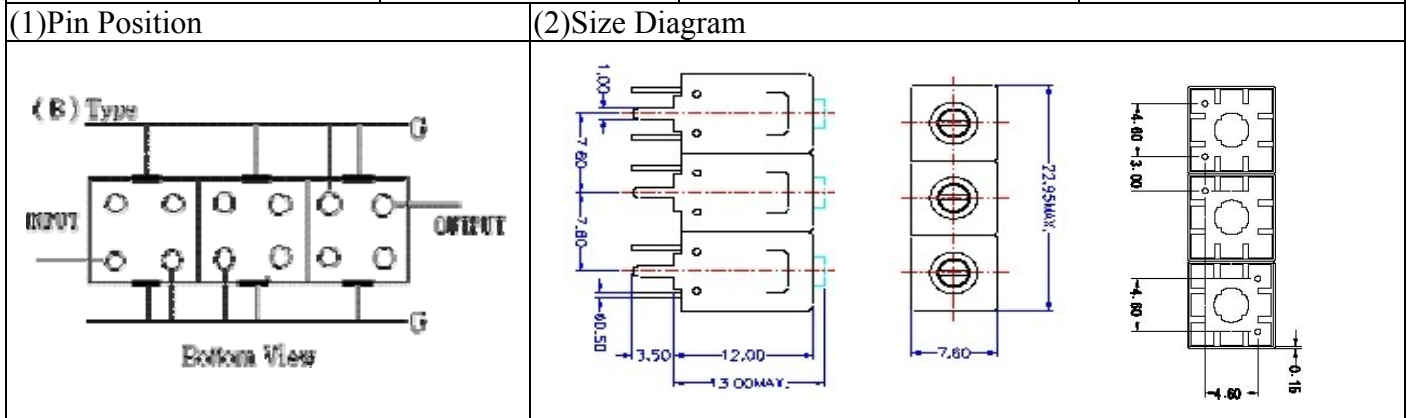
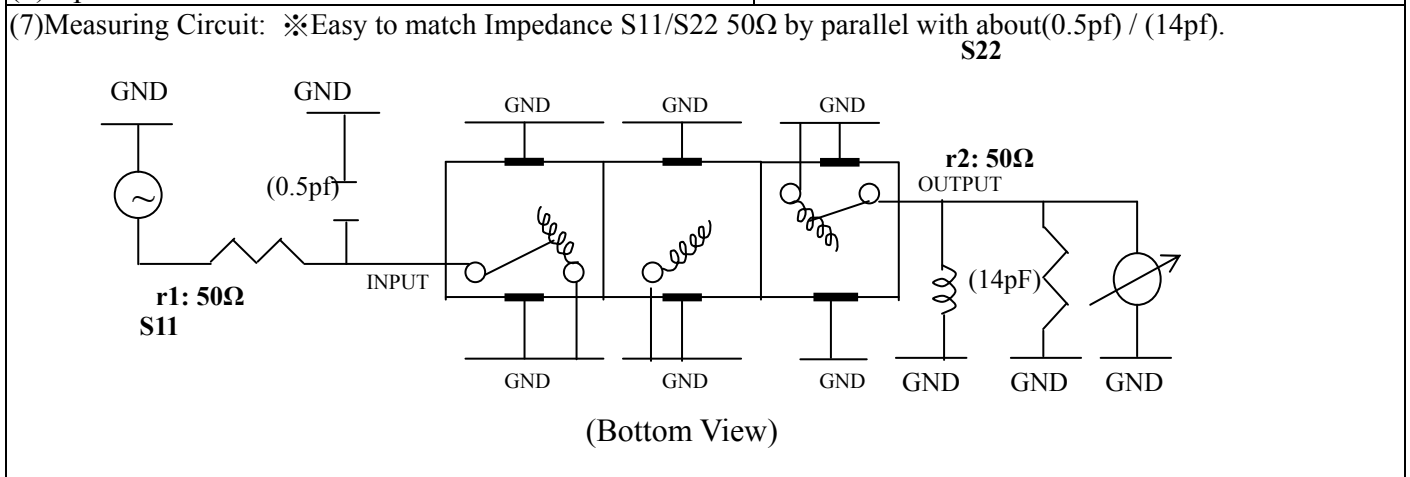


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TT6786B-172M
Approval No. /dated	0810079APR	Temwell's Print name	6786B 172M
Work Instruction No.	200810079BD	Date	Oct.07.2008



(3) Electric Characteristic			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		172 MHz	172 MHz
Tunable Range:		172±5 MHz	172±5 MHz
Insertion Loss		Typ. 4.0 dB	3.09 dB
-3 dB Bandwidth		Typ. 6 MHz	7.3 MHz
Sensitivity (Attenuation)	Fo - 10 MHz	Typ. 25 dBc	28 dBc
	Fo + 10 MHz	Typ. 23 dBc	27 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	19.0 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	

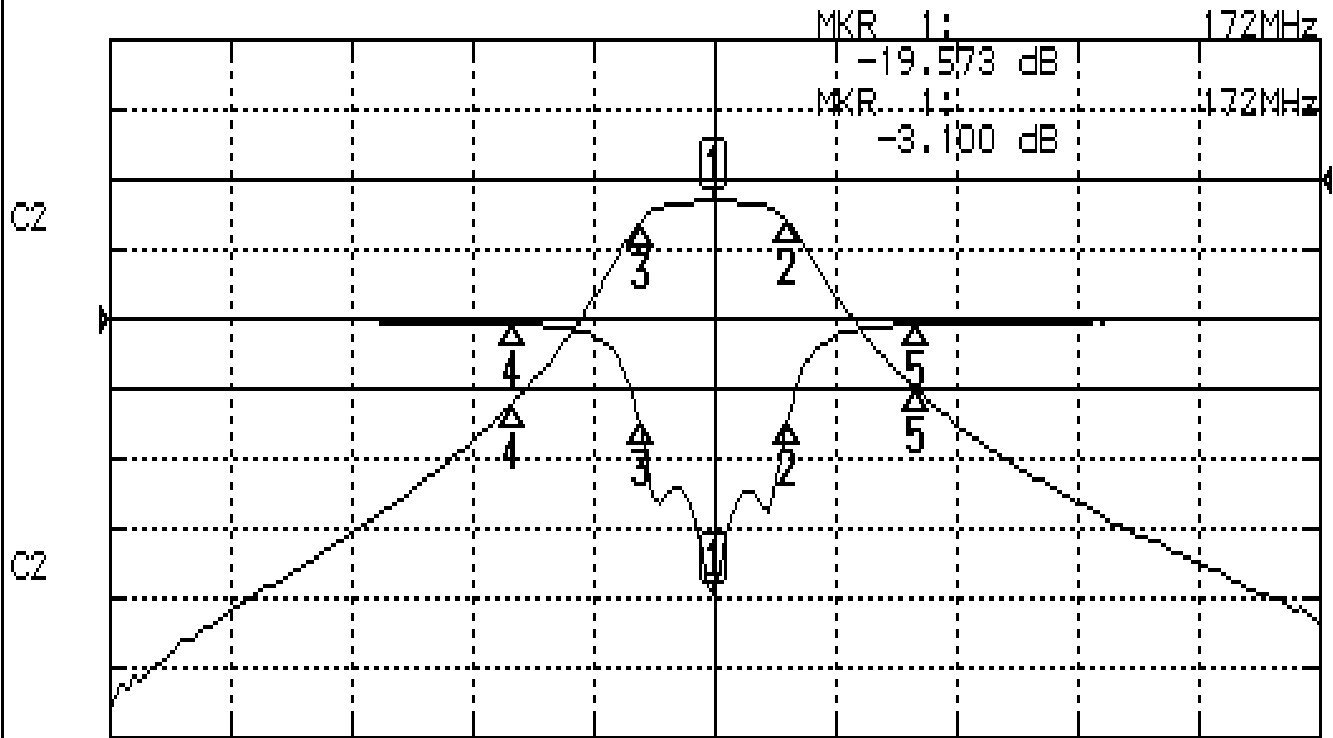


Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	P.H.Chiang	7H3(4*5.5F) 7H024LB4
TEMWELL CORPORATION			

# Performance-TT6786B-172M

## 200810079B

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



CENTER 172MHz

[ 10.00 dBm ]

SPAN 60MHz

### CH1 MARKER LIST

1:	172.000MHz	-19.573 dB
2:	175.650MHz	-7.234 dB
3:	168.300MHz	-7.529 dB
4:	162.000MHz	-0.314 dB
5:	182.000MHz	-0.353 dB

### CH2 MARKER LIST

1:	172.000MHz	-3.099 dB
2:	175.650MHz	-6.035 dB
3:	168.300MHz	-6.120 dB
4:	162.000MHz	-31.986 dB
5:	182.000MHz	-30.114 dB