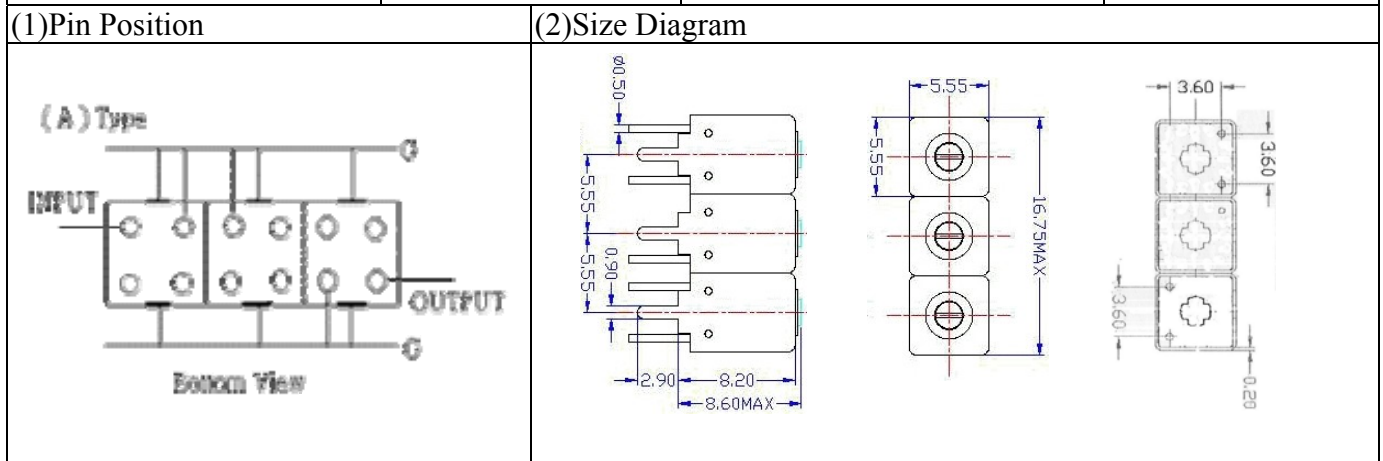


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTW3891A-475M
Approval No. /dated	0806020CD	Acceptable Specify Fo Range	451~500MHz
Work Instruction No.	0806020CD	Date	June.13.2007



(3) Electric Characteristic

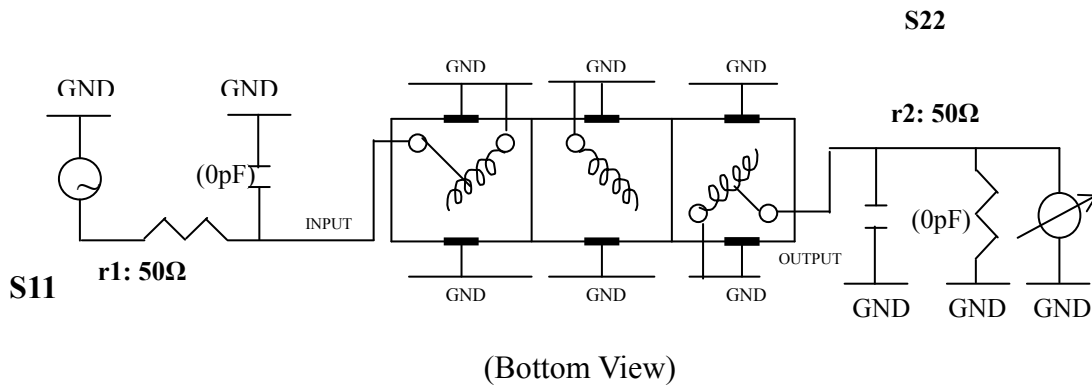
Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	475 MHz	475 MHz
Tunable Range:	475±5 MHz	475±5 MHz
Insertion Loss	Typ 4.5 dB	3.39 dB
-3 dB Bandwidth	Typ. 10 MHz	16.1 MHz
Sensitivity (Attenuation)	Fo -50 MHz	Typ. 51 dBc
	Fo +50 MHz	Typ. 41 dBc
	Fo -()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	45.9 dB
Ripple	< 1 dB	dB
Impedance	In / Out : 50Ω	In / Out : 50Ω
(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(0 pF) / (0 pF).



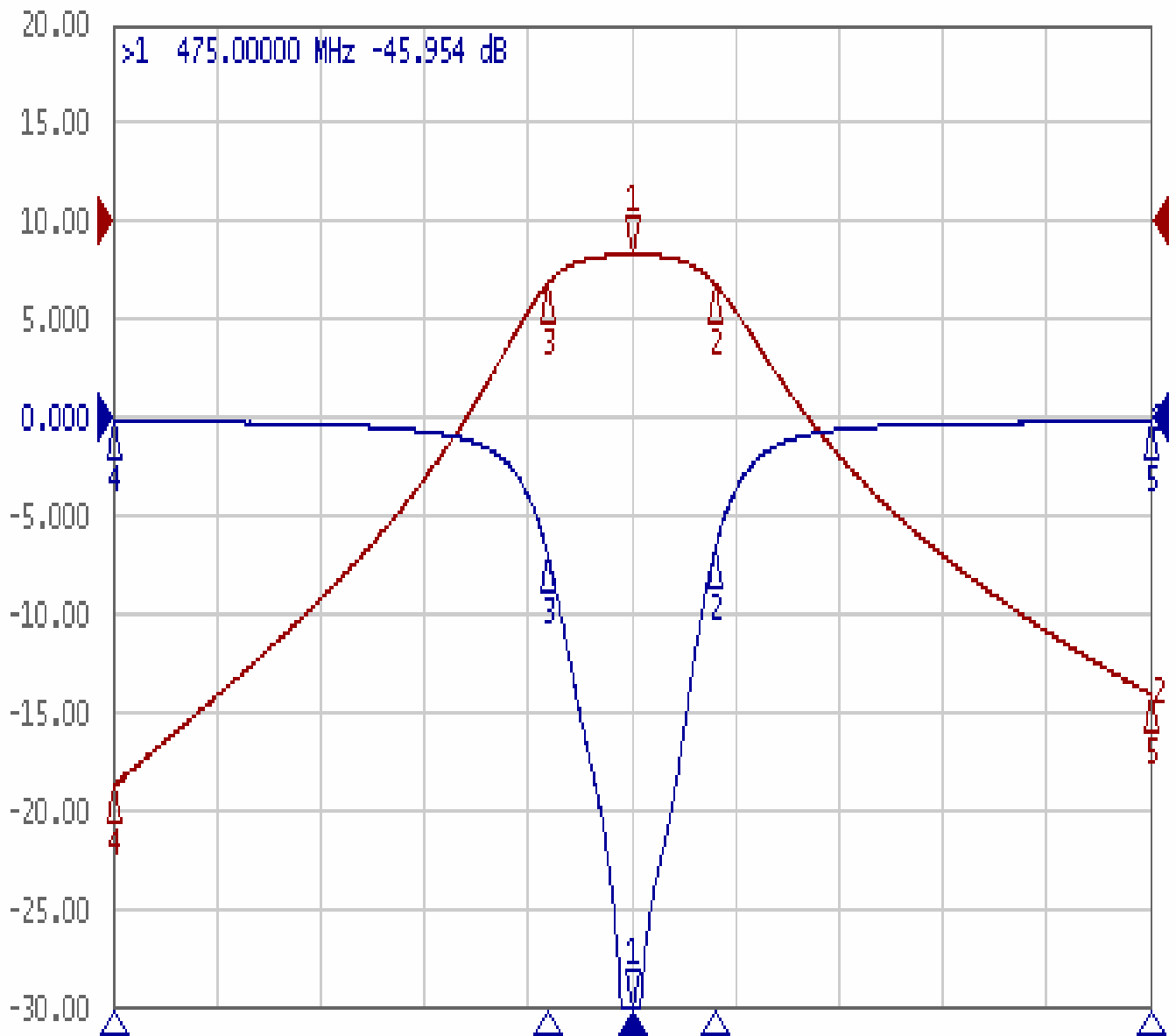
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	5w3(3.8*3.5) 5HW020RB3.5

TEMWELL CORPORATION

Performance-TTW3891A-475M

0806020CD

▶ Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F3]
Tr2 S21 Log Mag 10.00dB/ Ref 0.000dB [F3]



1 Center 475 MHz

IFBW 10 kHz

Span 100 MHz



Ch1	Tr1	S11	>1	475.00000	MHz	-45.954	dB
Ch1	Tr1	S11	2	482.97538	MHz	-6.8246	dB
Ch1	Tr1	S11	3	466.89275	MHz	-6.9988	dB
Ch1	Tr1	S11	4	425.00000	MHz	-0.1958	dB
Ch1	Tr1	S11	5	525.00000	MHz	-0.2178	dB
Ch1	Tr2	S21	1	475.00000	MHz	-3.3915	dB
Ch1	Tr2	S21	2	482.97538	MHz	-6.3457	dB
Ch1	Tr2	S21	3	466.89275	MHz	-6.3730	dB
Ch1	Tr2	S21	4	425.00000	MHz	-57.541	dB
Ch1	Tr2	S21	5	525.00000	MHz	-48.225	dB