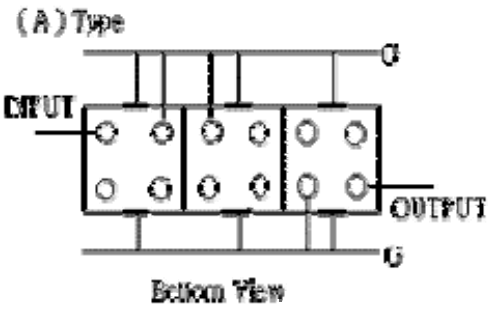
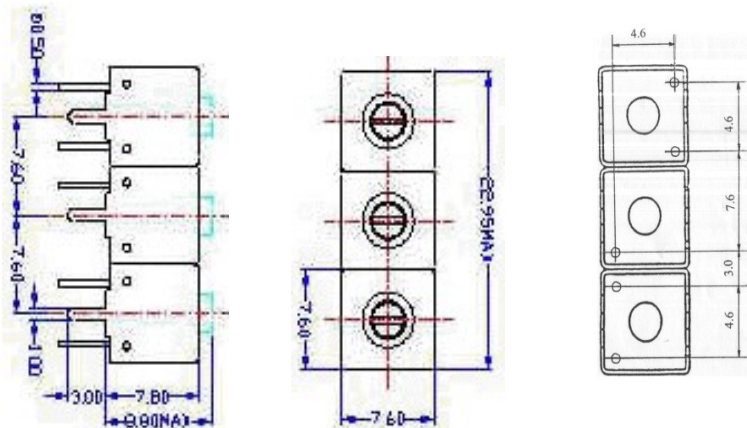


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3204A-940M
Approval No. /dated	20104061DC	Acceptable Specify Fo. Range	931~950MHz
Work Instruction No.	20104061DC	Date	2001.4.20

(1)Pin Position	(2)Size Diagram
 <p>(A) Type Bottom View</p>	

(3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	940 MHz	940 MHz	
Tunable Range	940 ±10 MHz	940 ±10 MHz	
Insertion Loss	Typ. 4.5 dB	3.6 dB	
-3 dB Bandwidth	Typ 23 MHz	28 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 32 dBc	35 dBc
	Fo +50 MHz	Typ. 24 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

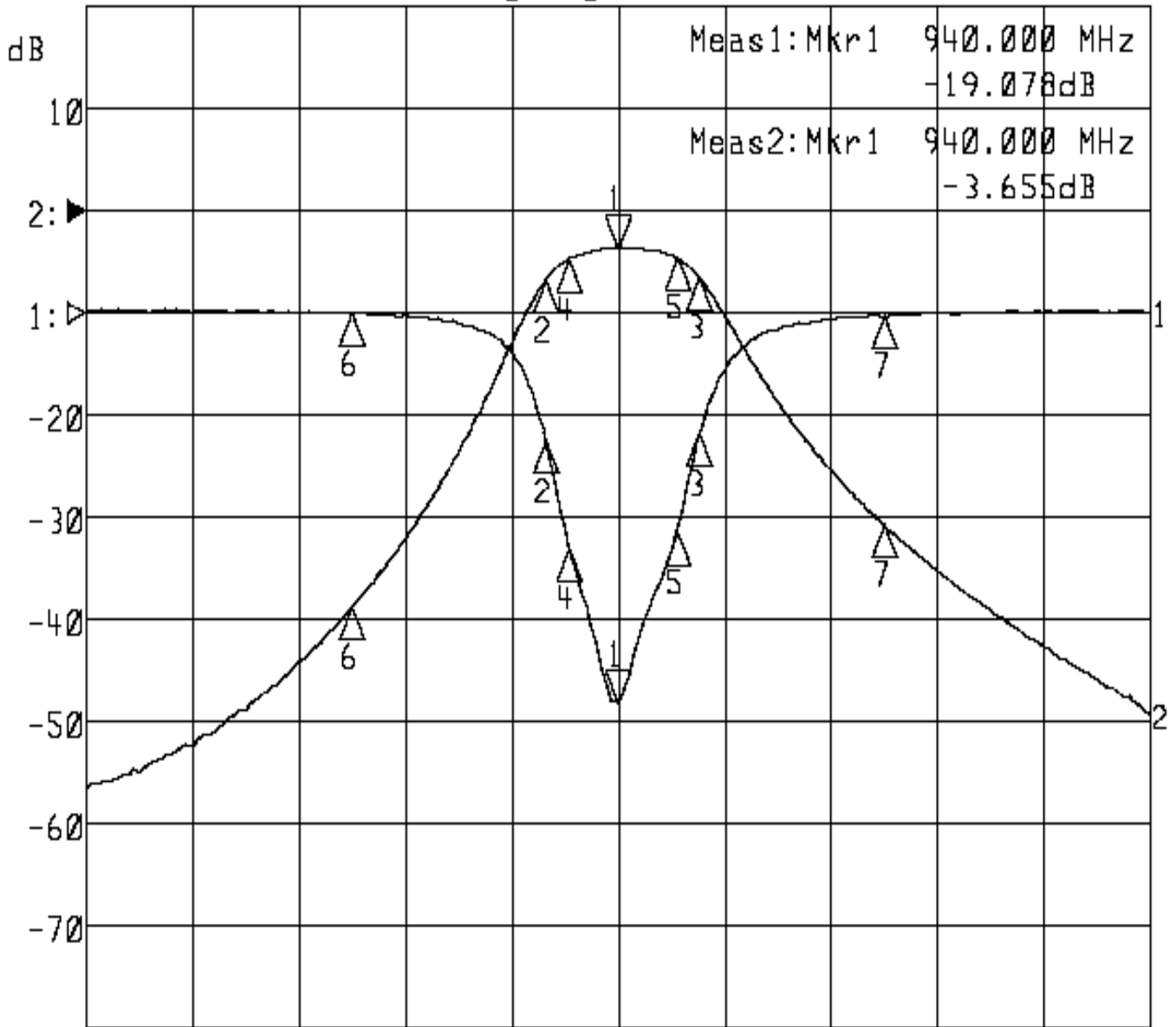
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S3S (4*5.2) 7S046LB4

TEMWELL CORPORATION

Performance-TTS3204A-940M

20104061DC

►1:S11 Refl Port1 Log Mag 5.0 dB/ Ref 0.00 dB C
►2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Center 940.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 940.0000	-19.078	1> 940.0000	-3.655
2: 926.4667	-6.266	2: 926.4667	-6.699
3: 955.3333	-5.901	3: 955.3333	-6.576
4: 930.8667	-11.445	4: 930.8667	-4.664
5: 951.0000	-10.690	5: 951.0000	-4.620
6: 890.0000	0.005	6: 890.0000	-38.775
7: 990.0000	-0.187	7: 990.0000	-30.825