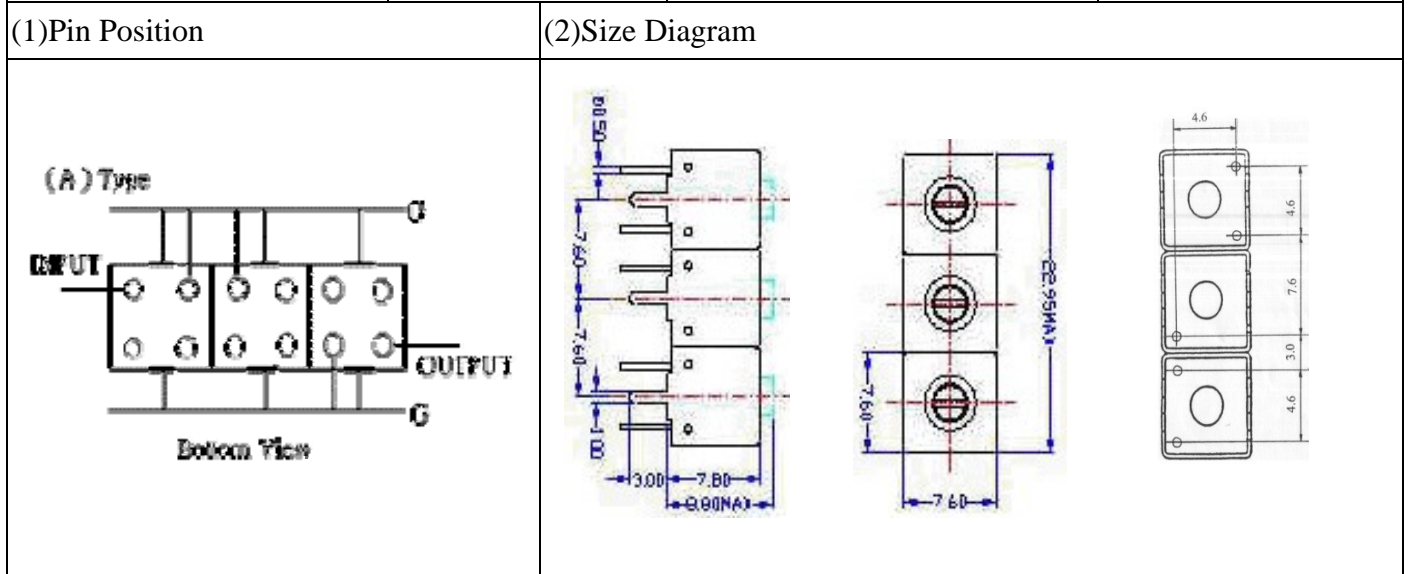


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3101A-614M
Approval No. /dated	20105027DB	Acceptable Specify Fo. Range	596~640MHz
Work Instruction No.	20105027DB	Date	2001.05.18



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo ) +/- 0.5 %	614 MHz	614 MHz	
Tunable Range	614±5 MHz	614±5 MHz	
Insertion Loss	Typ. 5.0 dB	4.0 dB	
-3 dB Bandwidth	Typ. 12 MHz	18 MHz	
Sensitivity (Attenuation)	Fo - 70 MHz	Typ. 52 dBc	55 dBc
	Fo + 70 MHz	Typ. 47 dBc	50 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	17.9 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 > 1 Watt

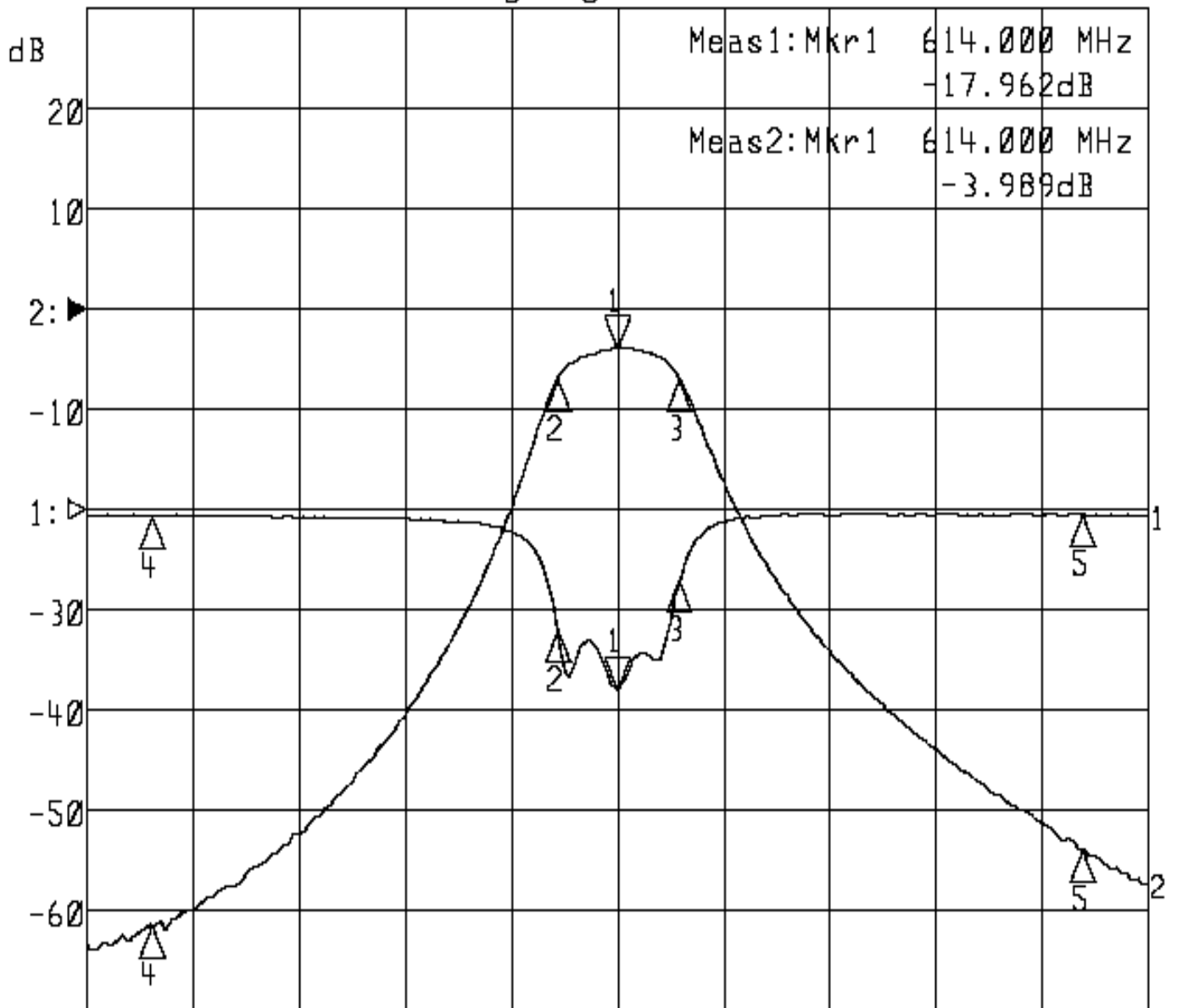
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7s3S(4*5.2) 7S046LB4

TEMWELL CORPORATION

# Performance- TTS3101A-614M

## 20105027DB

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



Center 614.000 MHz

Span 160.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 614.0000	-17.962	1> 614.0000	-3.989
2: 605.0400	-11.931	2: 605.0400	-6.877
3: 623.3867	-7.105	3: 623.3867	-6.925
4: 544.0000	-0.648	4: 544.0000	-61.499
5: 684.0000	-0.540	5: 684.0000	-53.887