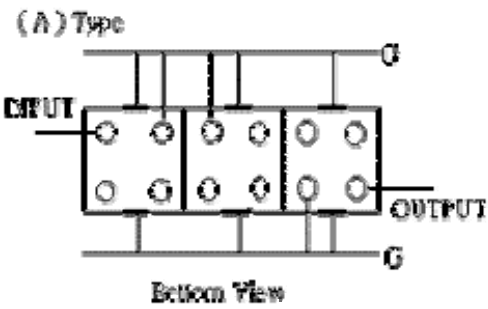
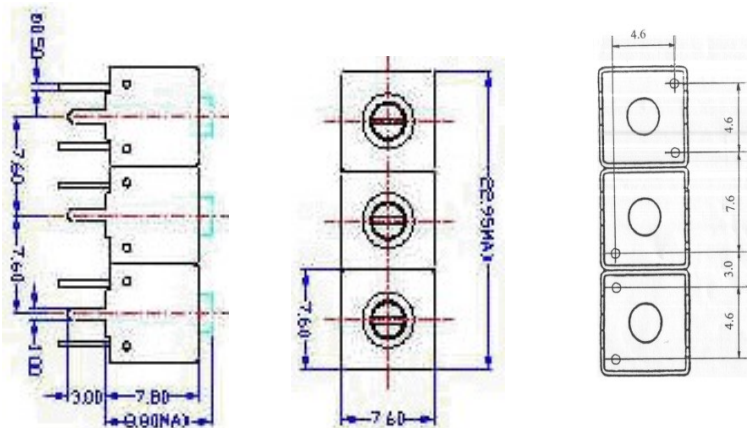


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3154A-815M
Approval No. /dated	20104051DC	Acceptable Specify Fo. Range	801~830MHz
Work Instruction No.	20104051DC	Date	2001.04.19

<p>(1) Pin Position</p>  <p style="text-align: center;">Bottom View</p>	<p>(2) Size Diagram</p> 
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(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo ) +/- 0.5 %	815 MHz	815 MHz	
Tunable Range	815±10 MHz	815±10 MHz	
Insertion Loss	Typ. 4.0 dB	3.1 dB	
-3 dB Bandwidth	Typ. 22 MHz	26 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 36 dBc	39 dBc
	Fo + 50 MHz	Typ. 27 dBc	30 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	24.5 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

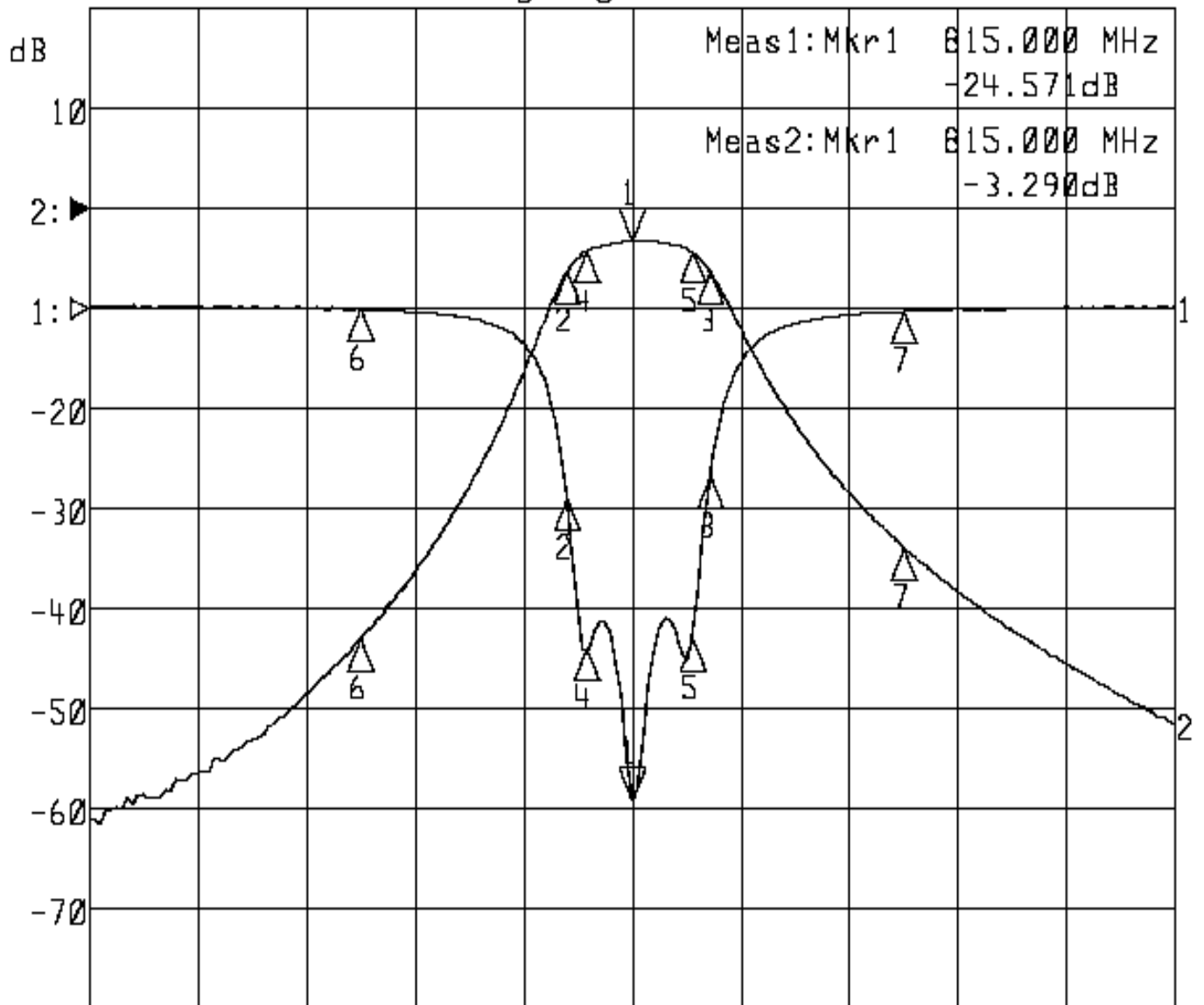
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S3S (4*5.2) 7S046LB4

TEMWELL CORPORATION

# Performande-TTS3154A-815M

## 20104051DC

▶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 815.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 815.0000	-24.571	1> 815.0000	-3.290
2: 803.0000	-9.445	2: 803.0000	-6.233
3: 829.3333	-8.400	3: 829.3333	-6.243
4: 806.6000	-17.029	4: 806.6000	-4.244
5: 826.0000	-16.559	5: 826.0000	-4.275
6: 765.0000	-0.036	6: 765.0000	-43.037
7: 865.0000	-0.164	7: 865.0000	-33.887