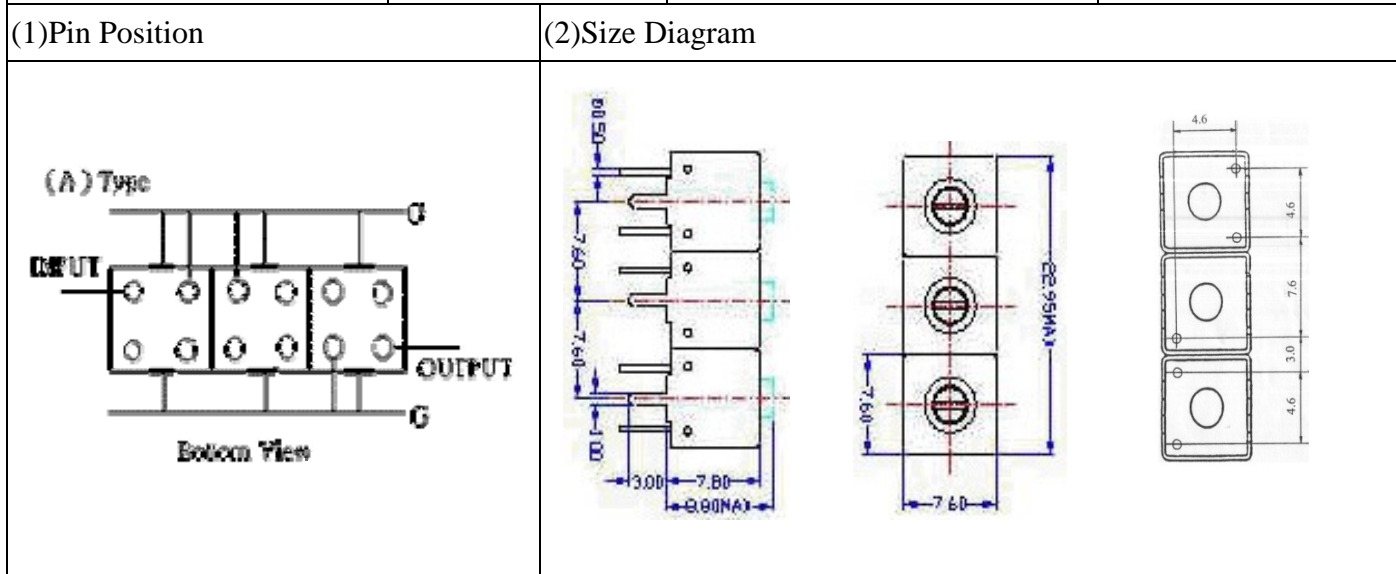


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3155A-820M
Approval No. /dated	20106028DC	Acceptable Specify Fo. Range	801~830MHz
Work Instruction No.	20106028DC	Date	2001.06.14



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo ) +/- 0.5 %	820 MHz	820 MHz	
Tunable Range	820±10 MHz	820±10 MHz	
Insertion Loss	Typ. 5.0 dB	3.8 dB	
-3 dB Bandwidth	Typ. 16 MHz	20 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 42 dBc	45 dBc
	Fo + 50 MHz	Typ. 36 dBc	39 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	29.8 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

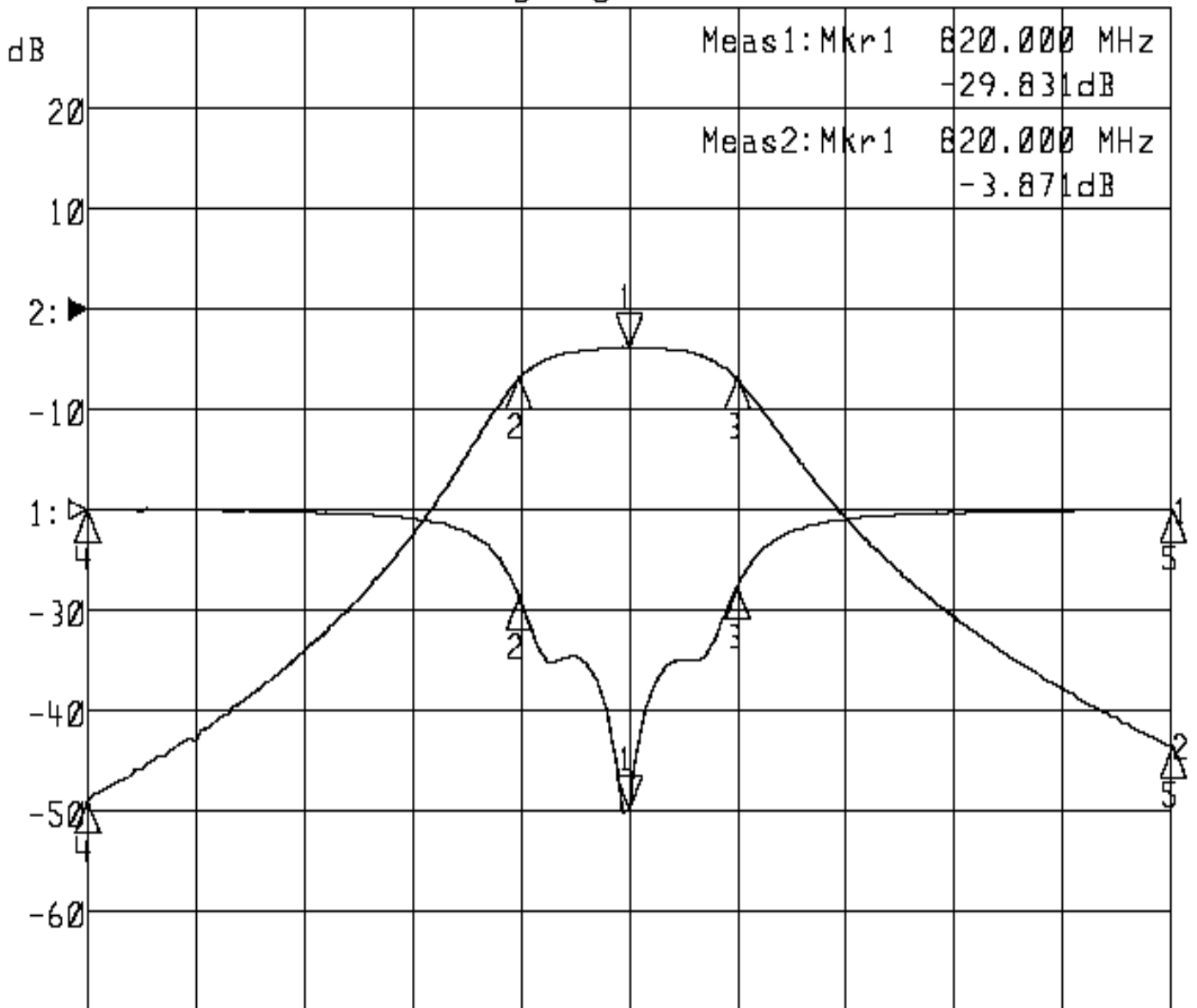
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S3S(4*4.5) 7S046LB4

TEMWELL CORPORATION

# Performance- TTS315A-820M

## 20106028DC

▶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 820.000 MHz

Span 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 820.0000	-29.831	1> 820.0000	-3.871
2: 809.9000	-8.670	2: 809.9000	-6.858
3: 829.9000	-7.779	3: 829.9000	-6.852
4: 770.0000	-0.059	4: 770.0000	-49.079
5: 870.0000	0.024	5: 870.0000	-43.469