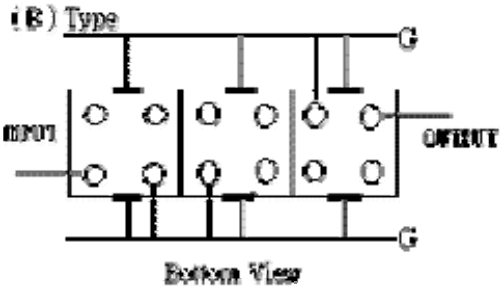
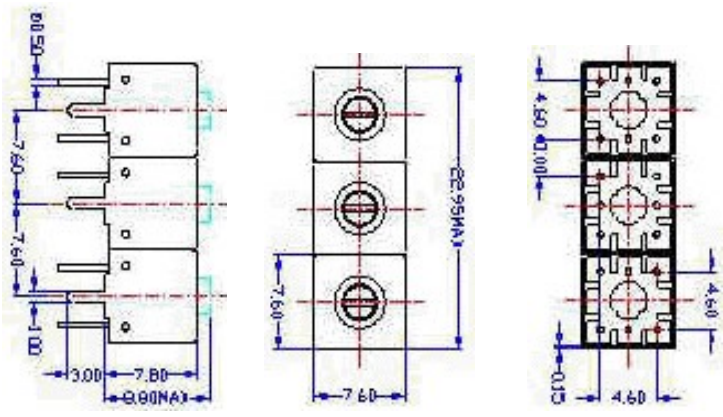


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS-3048B-315M
Approval No. /dated	20107033DB	Acceptable Specify Fo. Range	311~355MHz
Work Instruction No.	20107033DB	Date	2001.07.13

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

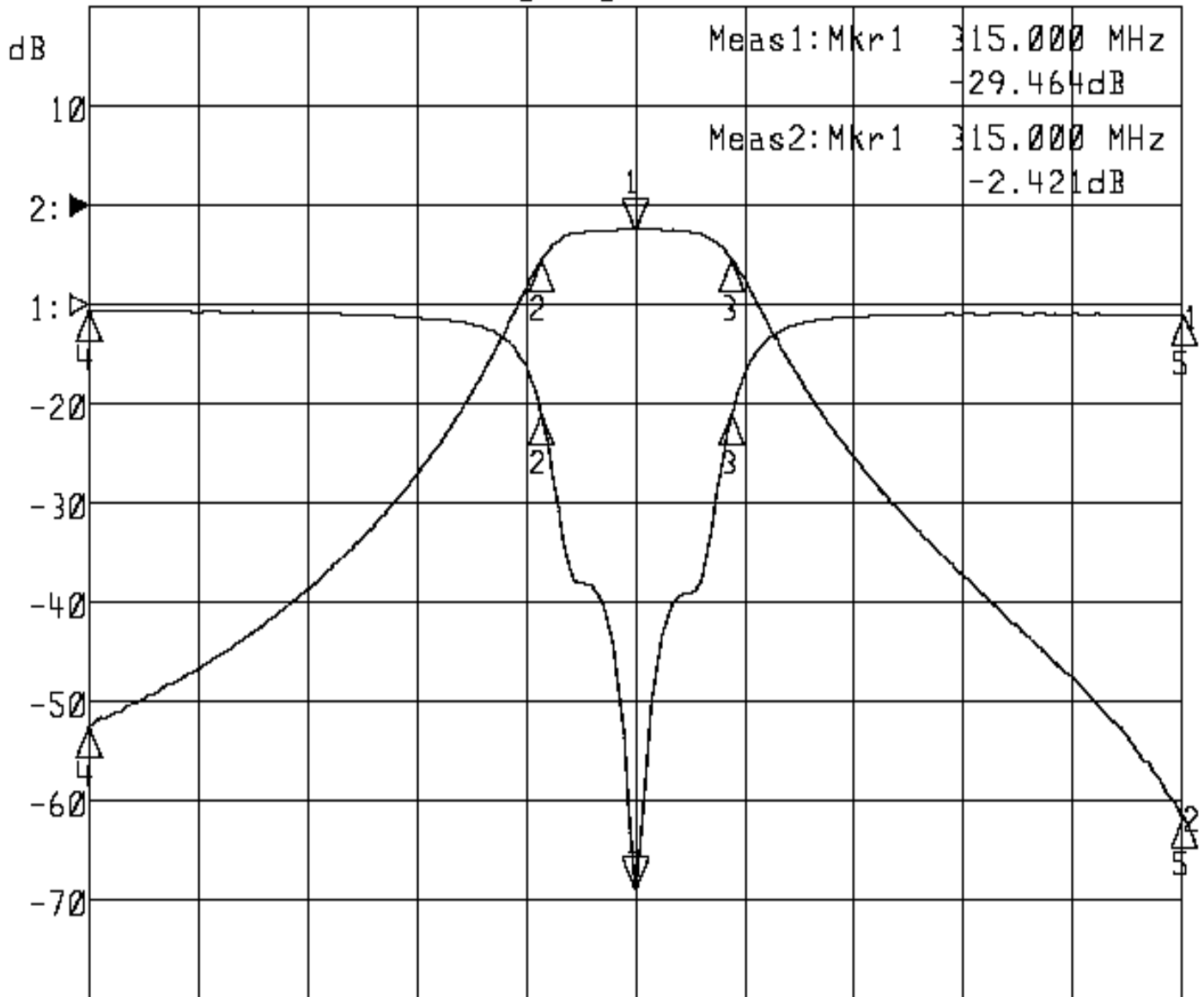
(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		315 MHz	315 MHz
Tunable Range		315±4 MHz	315±4 MHz
Insertion Loss		Typ. 3.5 dB	2.4 dB
-3 dB Bandwidth		Typ. 32 MHz	35 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 49 dBc	52 dBc
	Fo + 100 MHz	Typ. 58 dBc	61 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	29.4 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	7S3 (4*5.2) 7S00LB6

TEMWELL CORPORATION

# Performance- TTS-3048B-315M

## 20107033DB

▷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 315.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 315.0000	-29.464	1> 315.0000	-2.421
2: 297.8667	-5.485	2: 297.8667	-5.460
3: 332.7333	-5.543	3: 332.7333	-5.427
4: 215.1333	-0.283	4: 215.1333	-52.416
5: 415.0000	-0.501	5: 415.0000	-61.577