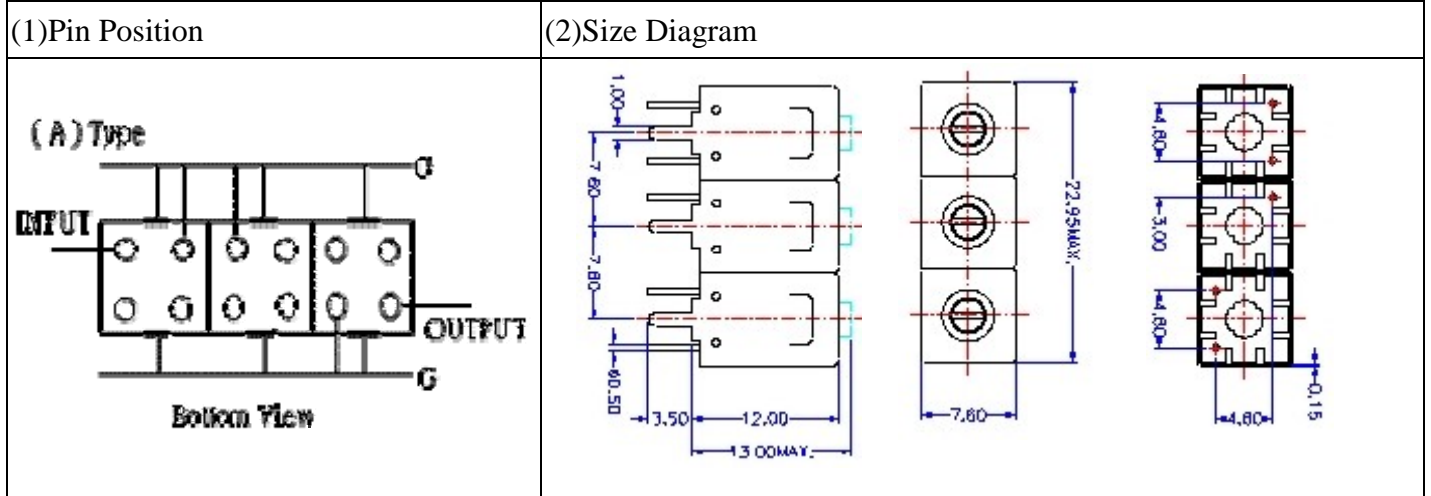


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTL67542A-300M
Approval No. /dated	20209008DC	Acceptable Specify Fo. Range	276~310MHz
Work Instruction No.	20209008DC	Date	Sep. 04, 2002

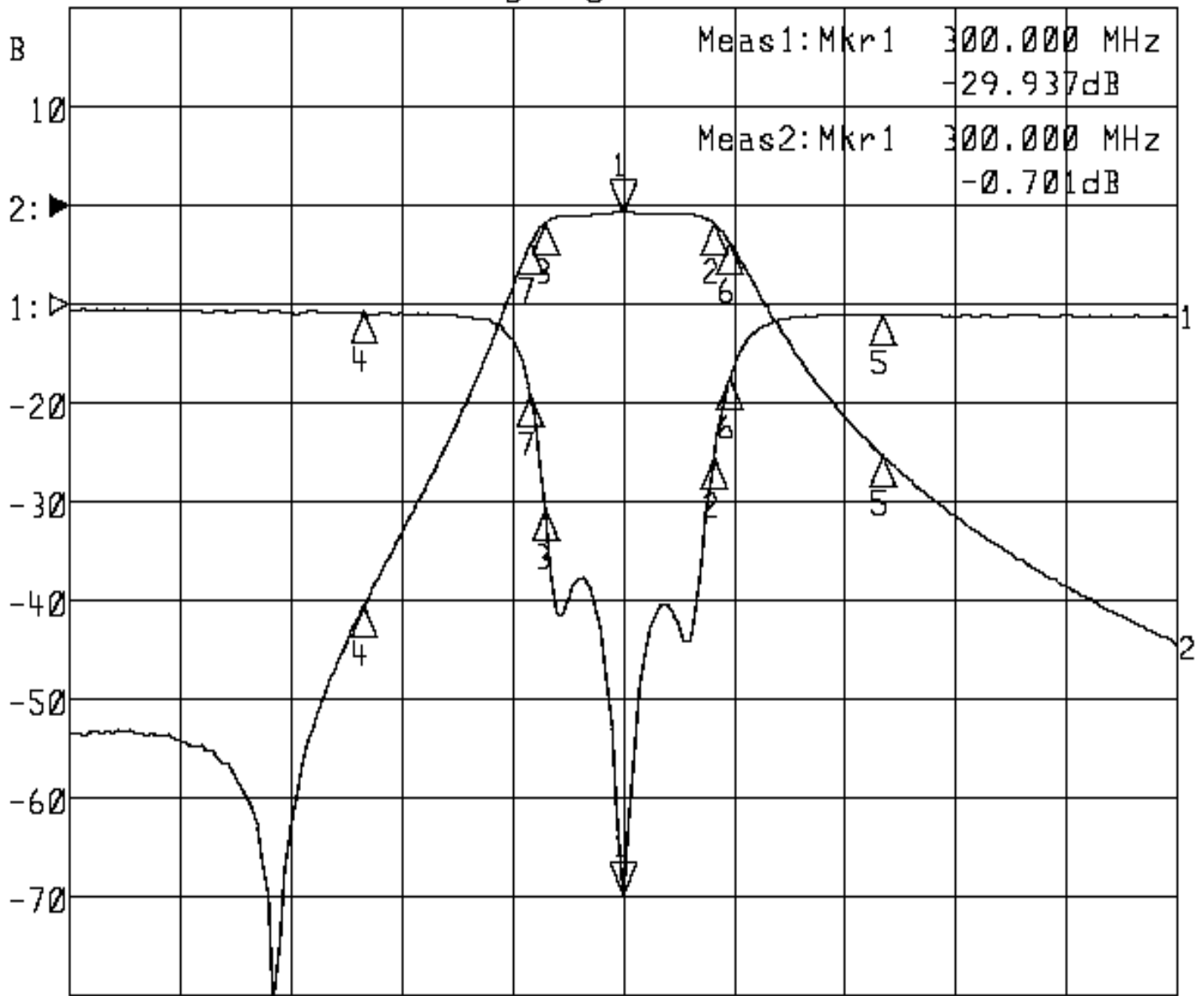


(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		300 MHz	300 MHz
Tunable Range		300±3 MHz	300±3 MHz
Insertion Loss		Typ. 2.0 dB	0.7 dB
-1 dB Bandwidth		Typ. 43 MHz	46 MHz
-3 dB Bandwidth		Typ. 48 MHz	51 MHz
Sensitivity (Attenuation)	Fo - 70 MHz	Typ. 37 dBc	39 dBc
	Fo + 70 MHz	Typ. 22 dBc	24 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo + ( )MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	30 dB
Ripple		< 1 dB	dB
Impedance		In / Out : 75 Ω	In / Out : 75 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	7H3S(4*8.0) 7H046LB5.5
TEMWELL CORPORATION			

# Performance-TTL67542A-300M

## 20209008DC

▶1:S11 Refl Port1 Log Mag 5.0 dB/ Ref 0.00 dB C  
 ▶2:S12 Rev Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Center 300.000 MHz

Span 300.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 300.0000	-29.937	1> 300.0000	-0.701
2: 324.6000	-7.759	2: 324.6000	-1.776
3: 278.9333	-10.331	3: 278.9333	-1.725
4: 230.0000	-0.422	4: 230.0000	-40.438
5: 370.0000	-0.536	5: 370.0000	-25.235
6: 328.9000	-3.747	6: 328.9000	-3.707
7: 275.0000	-4.589	7: 275.0000	-3.794