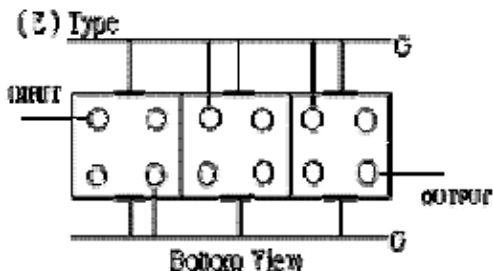
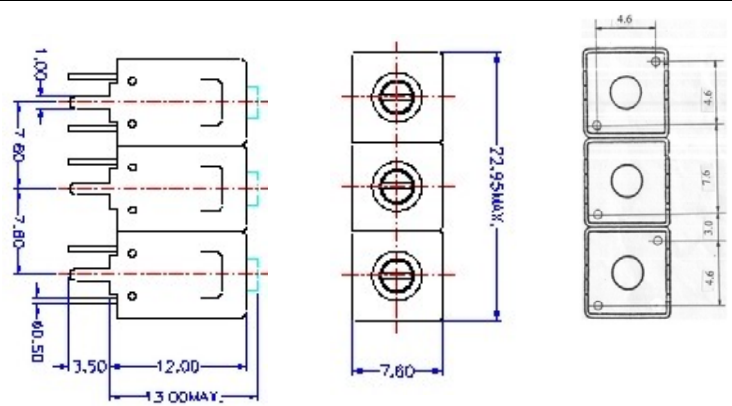


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTL67557E-713M
Approval No. /dated	20309002DC	Acceptable Specify Fo. Range	701~750MHz
Work Instruction No.	20309002DC	Date	Sep. 4, 2003

<p>(1) Pin Position</p>  <p>(3) Type</p>	<p>(2) Size Diagram</p> 
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(3) Electric Character			
Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	713 MHz	713	MHz
Tunable Range	713±3 MHz	713±3	MHz
Insertion Loss	Typ. 2.5 dB	1.7	dB
-1 dB Bandwidth	Typ. 24 MHz	31	MHz
-3 dB Bandwidth	Typ. 30 MHz	35	MHz
Sensitivity (Attenuation)	Fo - 40 MHz	Typ. 16	dBc
	Fo + 40 MHz	Typ. 22	dBc
	Fo - ( )MHz	Typ.	dBc
	Fo +( )MHz	Typ.	dBc
Return Loss	Min. 12 dB	45	dB
Ripple	< 1 dB		dB
Impedance	In / Out : 75 Ω	In / Out : 75 Ω	
(4) Torque for Tuning Screw	> 60gf · cm		

(5) Temperature Condition:	
Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C

(6) Input Power	> 1Watt
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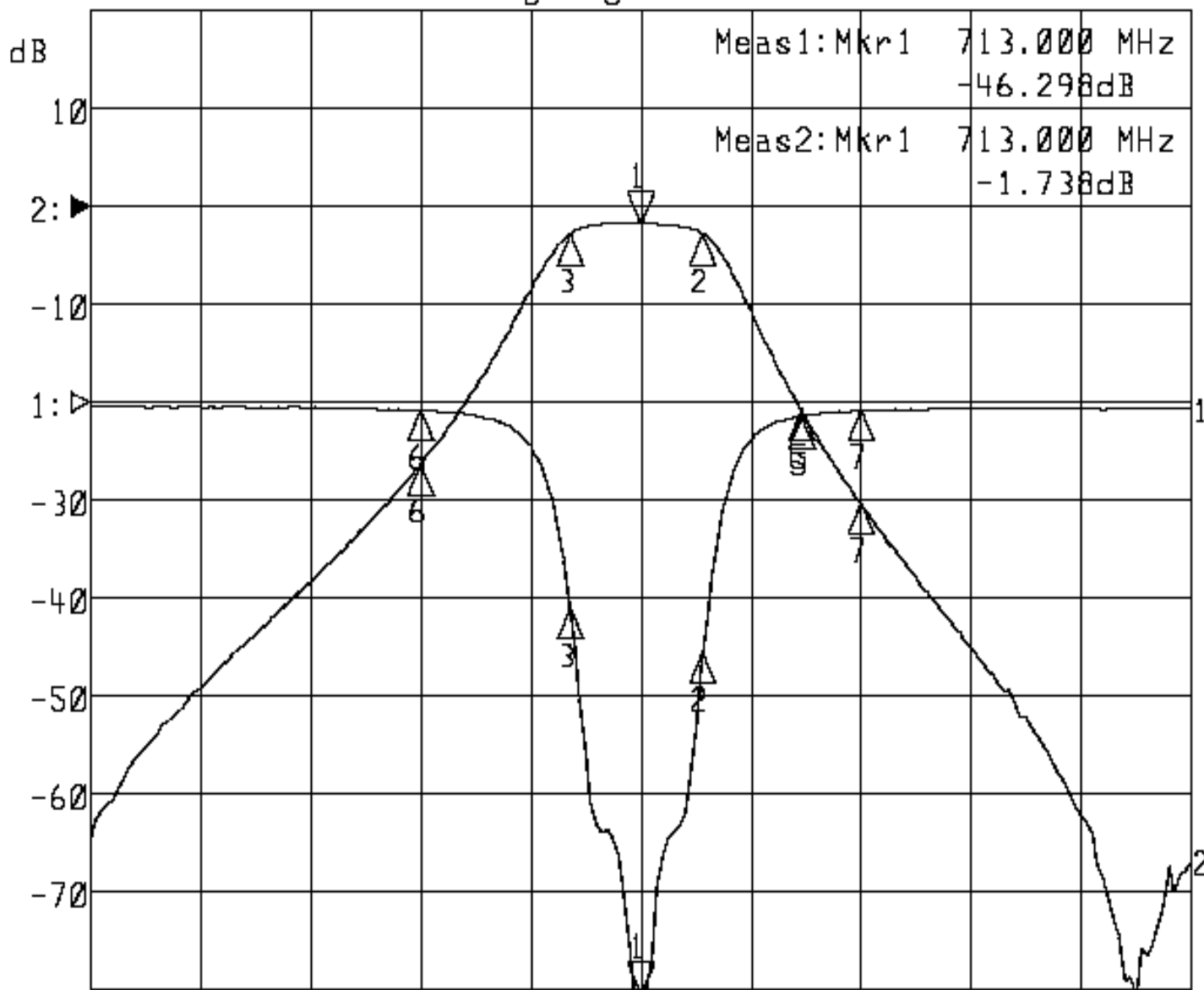
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7h3s(4*6.5) 7H046LB4 聚 3

TEMWELL CORPORATION

# Performance-TTL67557E-713M

## 20309002DC

▷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 713.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 713.0000	-46.298	1> 713.0000	-1.738
2: 724.3333	-12.810	2: 724.3333	-2.778
3: 700.2667	-10.542	3: 700.2667	-2.774
5: 742.0000	-0.707	5: 742.0000	-20.632
6: 673.0000	-0.414	6: 673.0000	-26.313
7: 753.0000	-0.421	7: 753.0000	-30.348