

VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TT67505B-730M
Approval No. /dated	20112110DC	Acceptable Specify Fo. Range	701~750MHz
Work Instruction No.	20112110DC	Date	Jan.03.2002

(1)Pin Position	(2)Size Diagram

(3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	730 MHz	730 MHz	
Tunable Range	730±3 MHz	730±3 MHz	
Insertion Loss	Typ. 2.5 dB	1.2 dB	
-3 dB Bandwidth	Typ. 54 MHz	61 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 25 dBc	28 dBc
	Fo + 100 MHz	Typ. 20 dBc	23 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	17 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

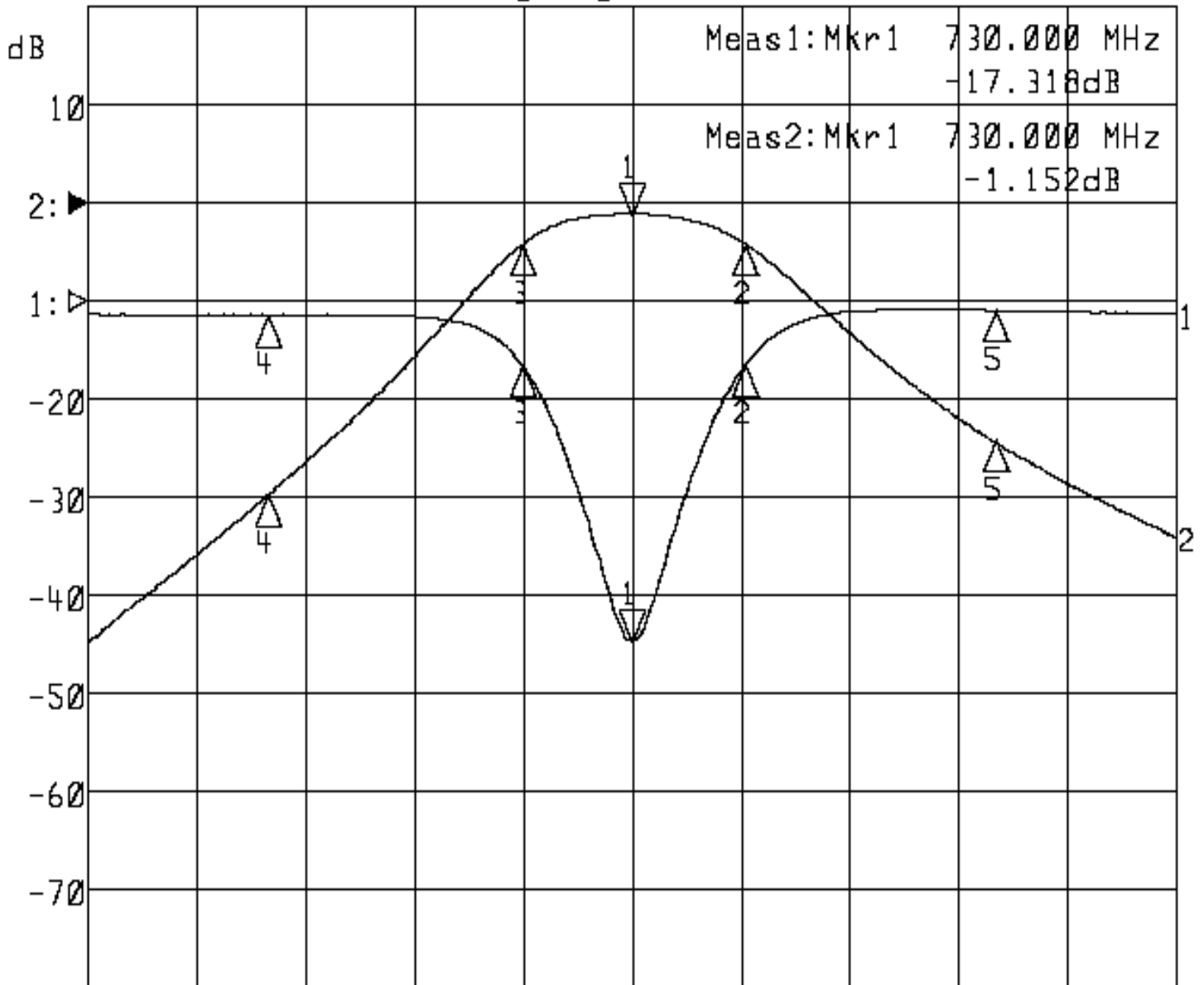
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	Enlan	7H3S 4*7.5 7H046LB6

TEMWELL CORPORATION

Performance-TT67505B-730M

20112110DC

▶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 730.000 MHz

Span 300.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 730.0000	-17.318	1> 730.0000	-1.152
2: 761.2000	-3.237	2: 761.2000	-4.133
3: 699.9000	-3.272	3: 699.9000	-4.194
4: 630.0000	-0.753	4: 630.0000	-29.751
5: 830.0000	-0.487	5: 830.0000	-24.358