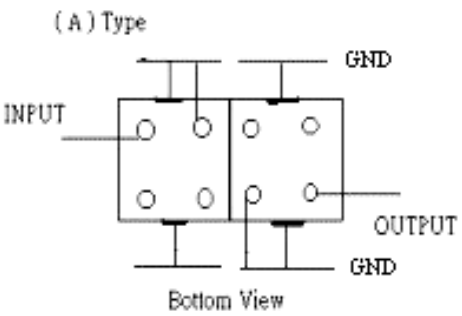
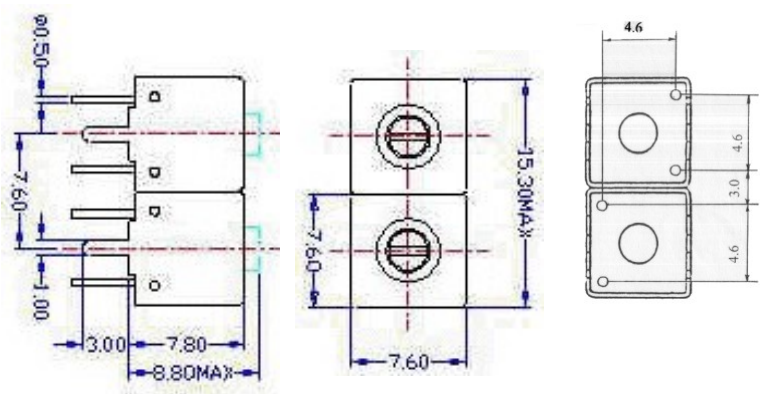


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2131A-725M
Approval No. /dated	20110017DC	Acceptable Specify Fo. Range	701~750MHz
Work Instruction No.	20110017DC	Date	2001.10.15

<p>(1) Pin Position</p>  <p>(A) Type INPUT, GND, OUTPUT, GND Bottom View</p>	<p>(2) Size Diagram</p> 
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(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	725 MHz	725 MHz	
Tunable Range	725±3 MHz	725±3 MHz	
Insertion Loss	Typ. 1.5 dB	0.8 dB	
-3 dB Bandwidth	Typ. 55 MHz	62 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 19 dBc	22 dBc
	Fo + 100 MHz	Typ. 13 dBc	16 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	51 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

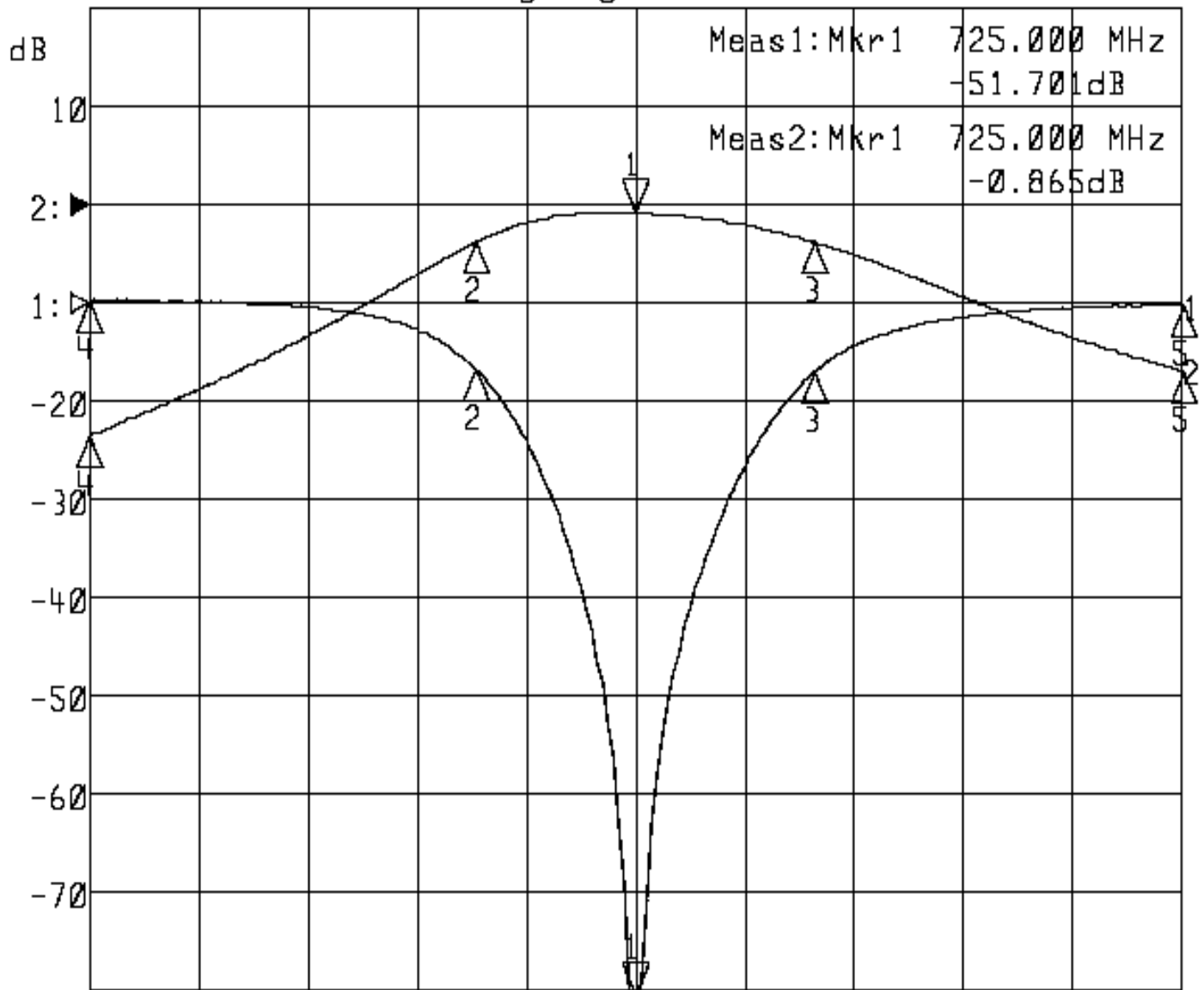
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB6

TEMWELL CORPORATION

Performance-TDS2131A-725M

20110017DC

►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 725.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 725.0000	-51.701	1> 725.0000	-0.865
2: 695.7333	-3.339	2: 695.7333	-3.818
3: 757.9333	-3.491	3: 757.9333	-3.847
4: 625.0000	0.147	4: 625.0000	-23.505
5: 825.0000	-0.145	5: 825.0000	-16.933