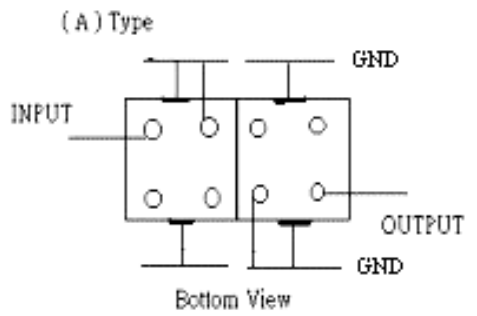
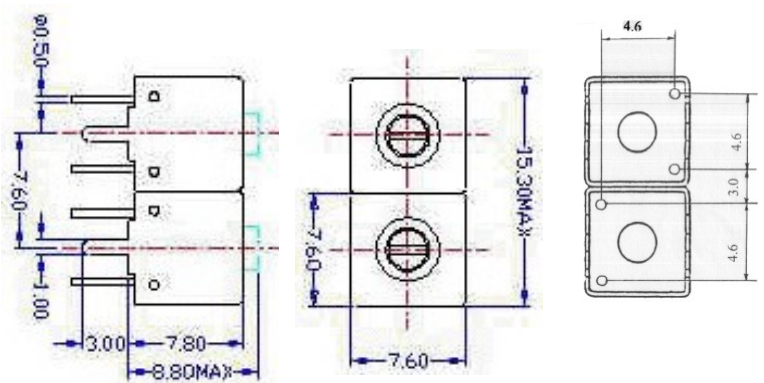


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2142A-761.5M
Approval No. /dated	20103106DB	Acceptable Specify Fo. Range	751~800MHz
Work Instruction No.	20103106DB	Date	2001.4.18

<p>(1) Pin Position</p>  <p>(A) Type INPUT, GND, OUTPUT, GND Bottom View</p>	<p>(2) Size Diagram</p>  <p>Dimensions: 9.50, 7.60, 1.00, 3.00, 7.80, 8.80MAX, 7.60, 15.30MAX, 4.6, 3.0, 4.6</p>
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(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	761.5 MHz	761.5 MHz
Tunable Range	761.5±5 MHz	761.5±5 MHz
Insertion Loss	Typ. 2.0 dB	1.3 dB
-3 dB Bandwidth	Typ. 18 MHz	23 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 39 dBc
	Fo + 100 MHz	Typ. 29 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	28.3 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

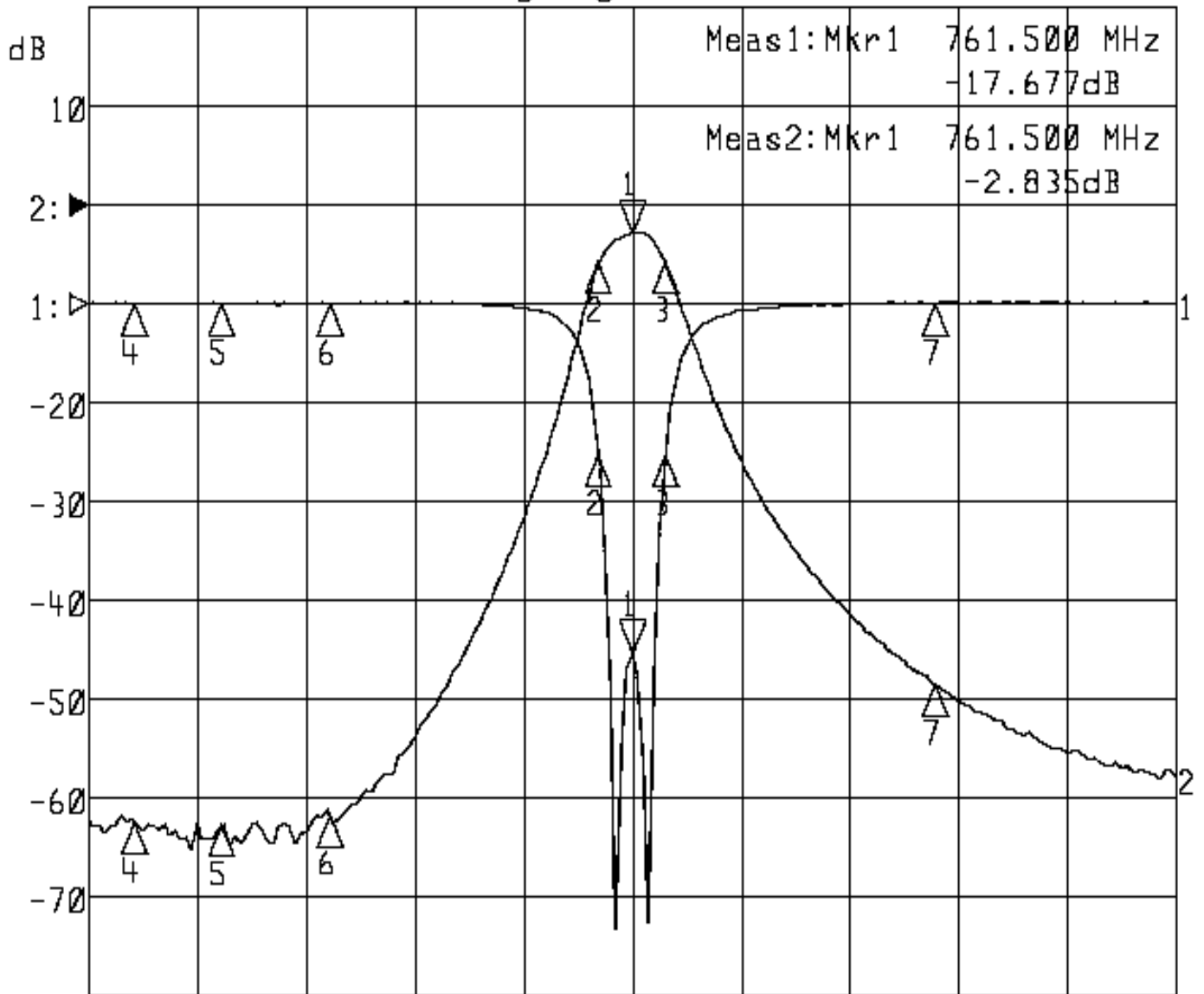
	> 1Watt		
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB6

TEMWELL CORPORATION

Performance-TDS2142A-761.5M

20103106DB

▶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 761.500 MHz

Span 360.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 761.5000	-17.677	1> 761.5000	-2.835
2: 750.3400	-7.633	2: 750.3400	-5.857
3: 772.4200	-7.642	3: 772.4200	-5.834
4: 597.0000	0.007	4: 597.0000	-62.456
5: 626.0000	0.023	5: 626.0000	-62.759
6: 661.5000	-0.014	6: 661.5000	-61.791
7: 861.5000	0.024	7: 861.5000	-48.501