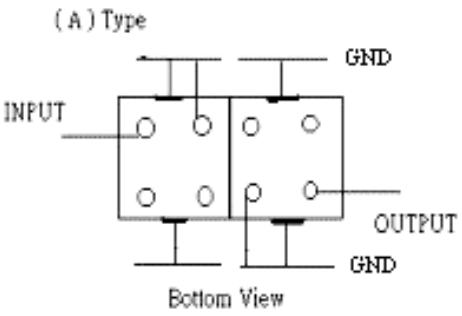
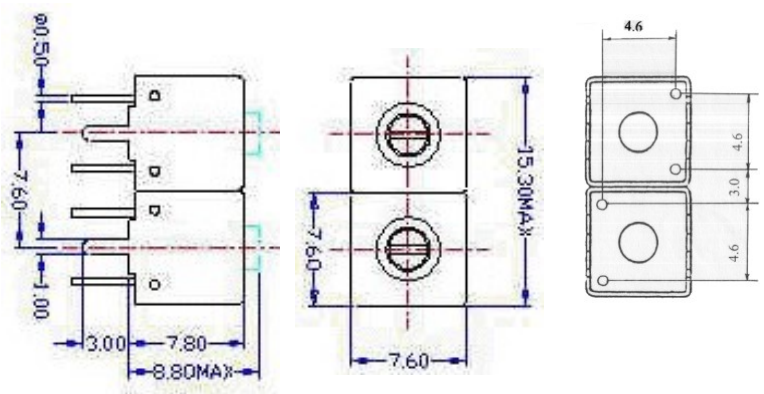


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2162A-845M
Approval No. /dated	20110023DC	Acceptable Specify Fo. Range	831~860MHz
Work Instruction No.	20110023DC	Date	2001.10.17

<p>(1) Pin Position</p>  <p>(A) Type INPUT GND OUTPUT GND Bottom View</p>	<p>(2) Size Diagram</p>  <p>Dimensions: 7.50, 7.60, 1.00, 3.00, 7.80, 8.80MAX, 7.60, 15.30MAX, 4.6, 3.0, 4.6</p>
--	--

(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo ) +/- 0.5 %	845 MHz	845 MHz	
Tunable Range	845±5 MHz	845±5 MHz	
Insertion Loss	Typ. 2.0 dB	1.0 dB	
-3 dB Bandwidth	Typ. 68 MHz	72 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 18 dBc	21 dBc
	Fo + 100 MHz	Typ. 12 dBc	15 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	19 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

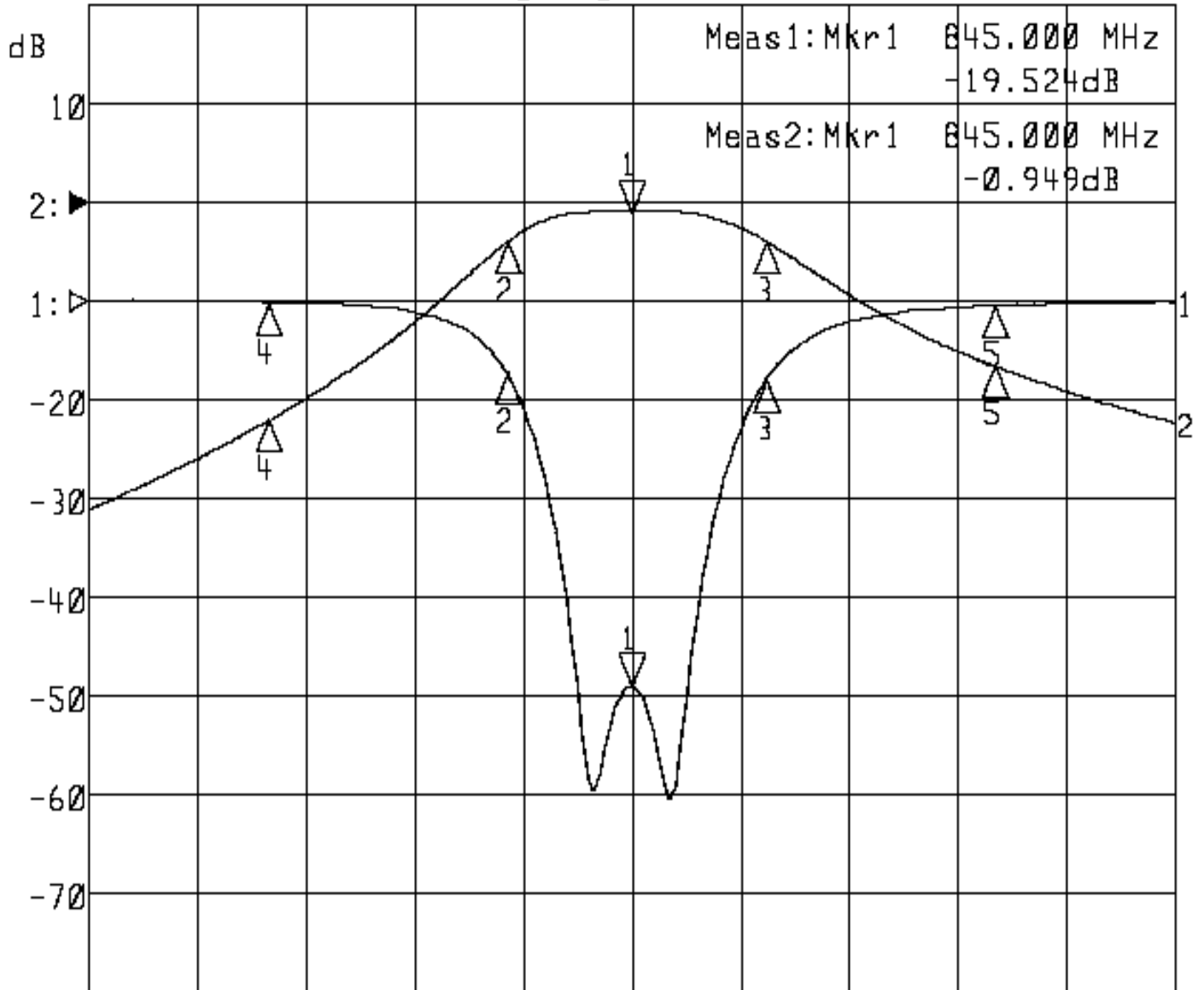
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB6

TEMWELL CORPORATION

# Performance-TDS2162A-845M

## 20110023DC

▷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 845.000 MHz

Span 300.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 845.0000	-19.524	1> 845.0000	-0.949
2: 810.7000	-3.684	2: 810.7000	-3.955
3: 882.1000	-3.946	3: 882.1000	-3.915
4: 745.0000	-0.068	4: 745.0000	-22.103
5: 945.0000	-0.221	5: 945.0000	-16.544