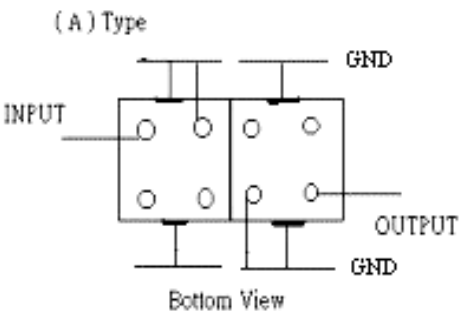
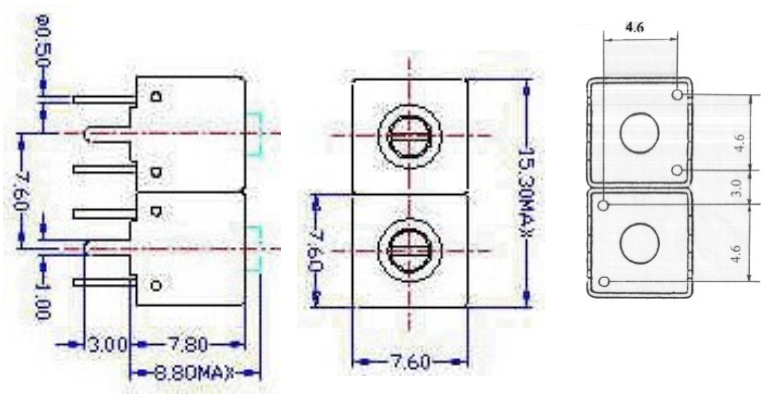


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2146A-800M
Approval No. /dated	20108006DC	Acceptable Specify Fo. Range	751~800MHz
Work Instruction No.	20108006DC	Date	2001.08.06

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

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	800 MHz	800 MHz	
Tunable Range	800±5 MHz	800±5 MHz	
Insertion Loss	Typ. 3.0 dB	1.9 dB	
-3 dB Bandwidth	Typ. 45 MHz	49 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 21 dBc	24 dBc
	Fo + 100 MHz	Typ. 16 dBc	19 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

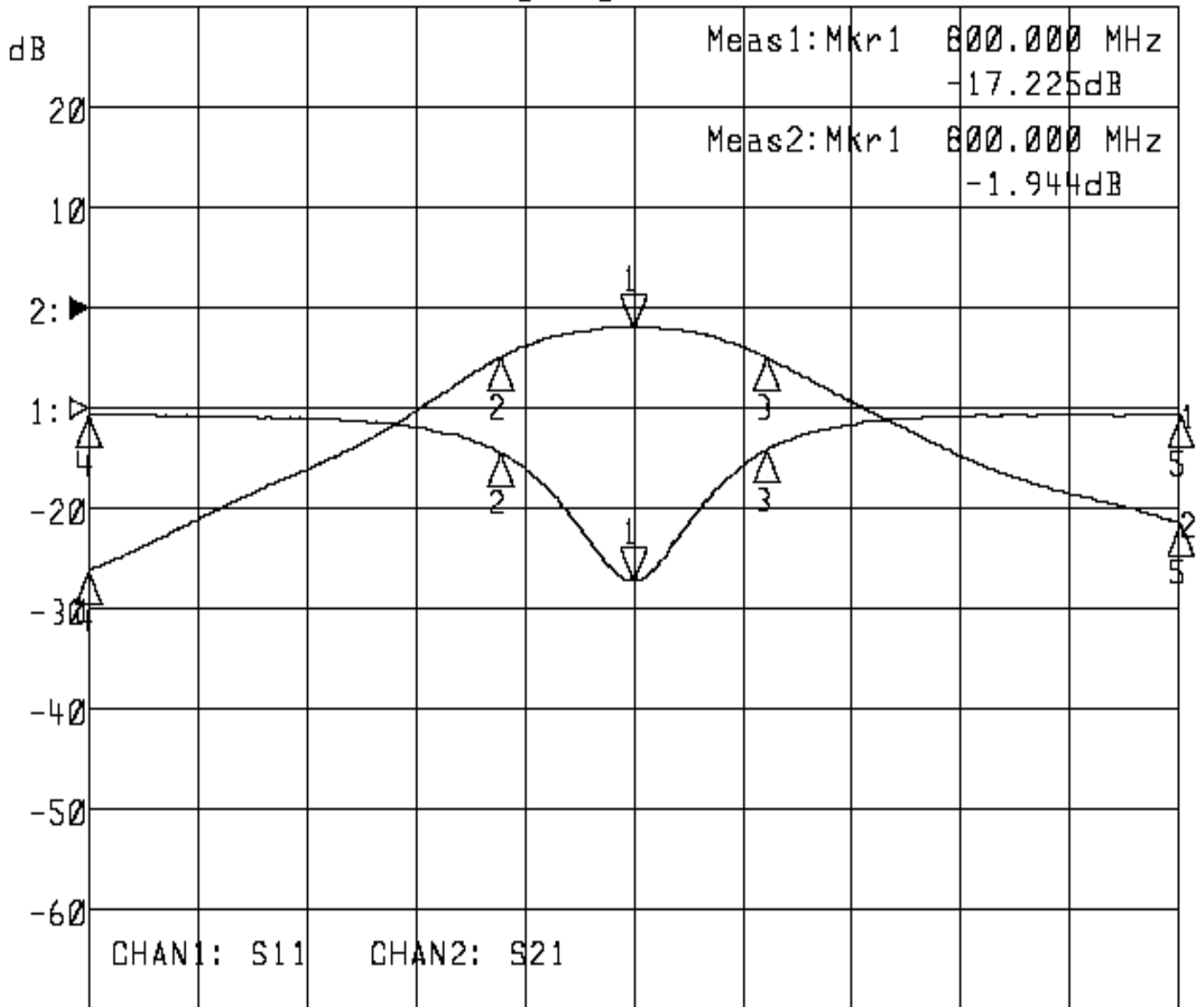
			> 1Watt
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*4.5) 7S046LB6

TEMWELL CORPORATION

Performance-TDS2146A-800M

20108006DC

▶1: Reflection Log Mag 10.0 dB/ Ref 0.00 dB C
▶2: Transmission Log Mag 10.0 dB/ Ref 0.00 dB C



Center 800.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 800.0000	-17.225	1> 800.0000	-1.944
2: 775.4667	-4.401	2: 775.4667	-4.954
3: 824.3333	-4.183	3: 824.3333	-4.943
4: 700.0000	-0.671	4: 700.0000	-26.205
5: 900.0000	-0.700	5: 900.0000	-21.384