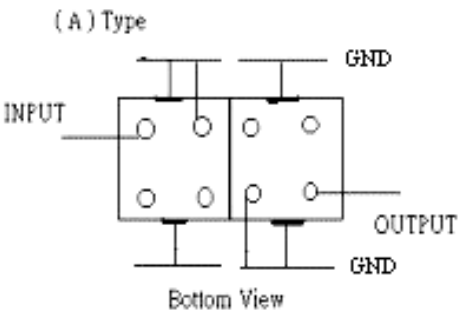
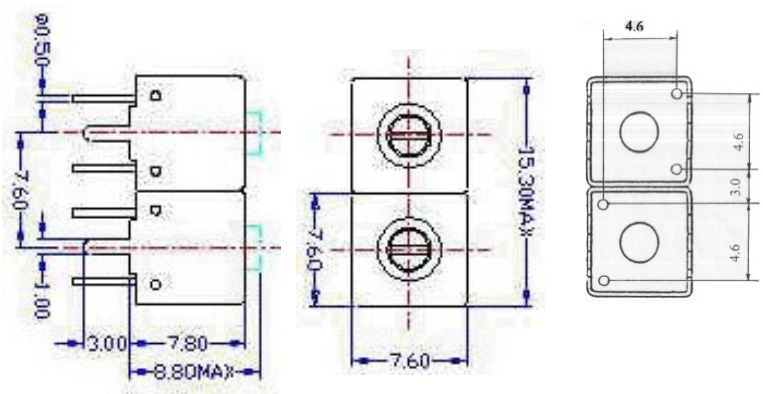


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2155A-820M
Approval No. /dated	20106027DC	Acceptable Specify Fo. Range	801~830MHz
Work Instruction No.	20106027DC	Date	2001.06.14

<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>
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(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	820 MHz	820 MHz	
Tunable Range	820±10 MHz	820±10 MHz	
Insertion Loss	Typ. 3.5 dB	2.5 dB	
-3 dB Bandwidth	Typ. 18 MHz	22 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 22 dBc	25 dBc
	Fo + 50 MHz	Typ. 20 dBc	23 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	22 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) 7S046LB4

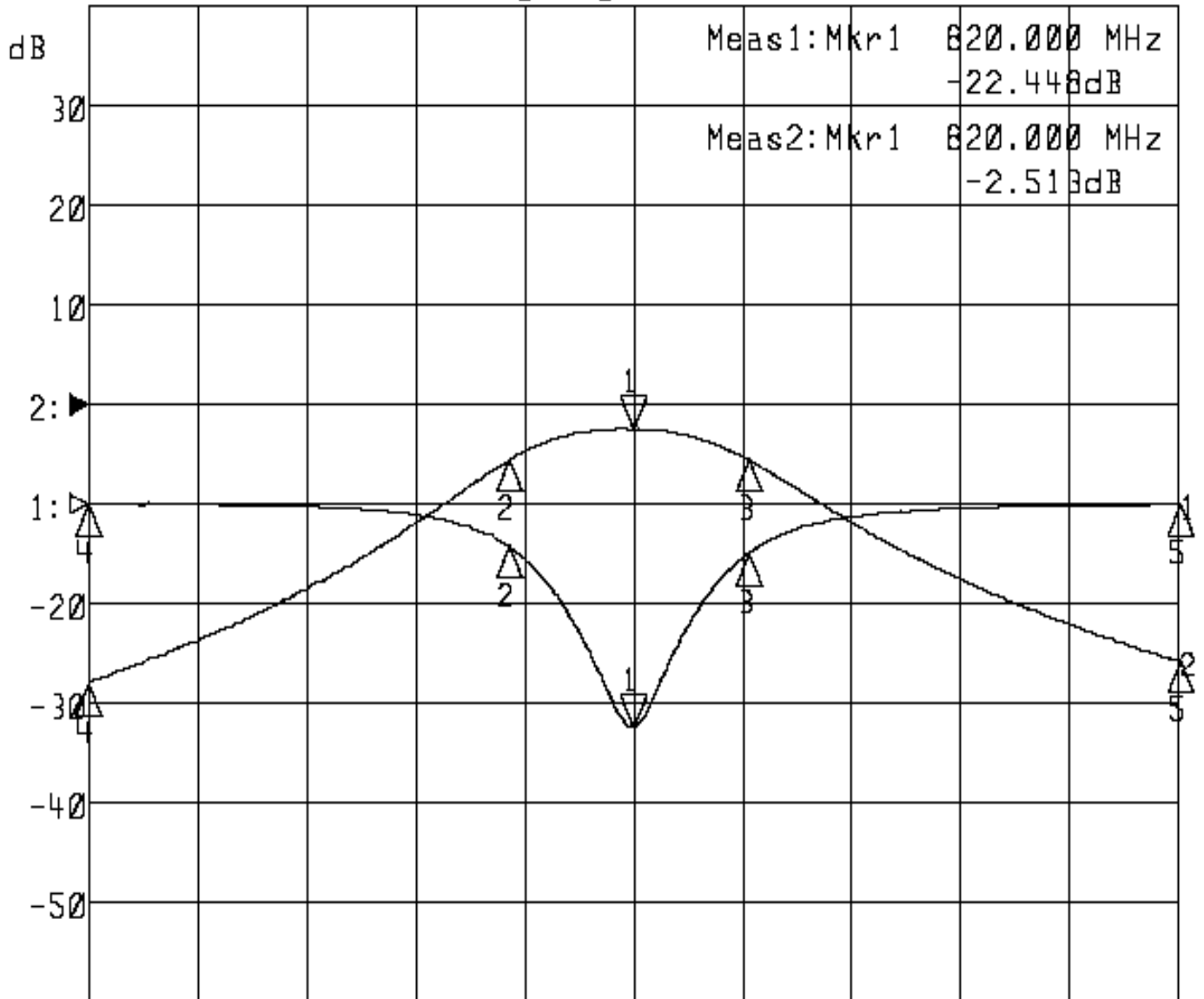
TEMWELL CORPORATION

Performance-TDS2155A-820M

20106027DC

▶1:S11 Refl Port1 Log Mag 10.0 dB/ Ref 0.00 dB C

▶2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Center 820.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 820.0000	-22.448	1> 820.0000	-2.513
2: 808.6667	-4.332	2: 808.6667	-5.556
3: 830.5000	-4.978	3: 830.5000	-5.492
4: 770.0000	-0.043	4: 770.0000	-27.939
5: 870.0000	-0.061	5: 870.0000	-25.762