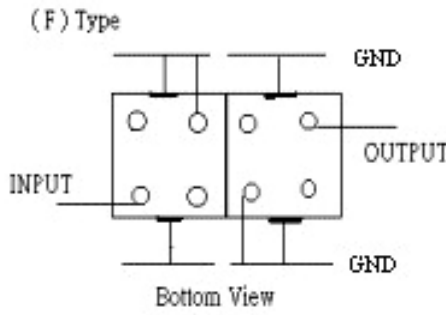
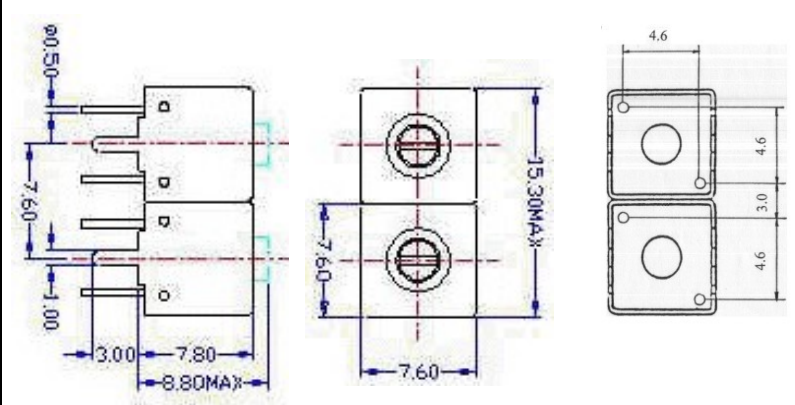


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2044F-315M
Approval No. /dated	20102004DC	Acceptable Specify Fo. Range	311~355MHz
Work Instruction No.	20102004DC	Date	2001.03.02

<p>(1) Pin Position</p> 	<p>(2) Size Diagram</p> 
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(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	315 MHz	315 MHz	
Tunable Range	315±4 MHz	315±4 MHz	
Insertion Loss	Typ. 3.0 dB	2.4 dB	
-3 dB Bandwidth	Typ. 19 MHz	22 MHz	
Sensitivity (Attenuation)	Fo - 30 MHz	Typ. 11 dBc	14 dBc
	Fo + 30 MHz	Typ. 10 dBc	13 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo + ()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	13 dB	
Ripple	< 1 dB	1 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) 7S00LB4

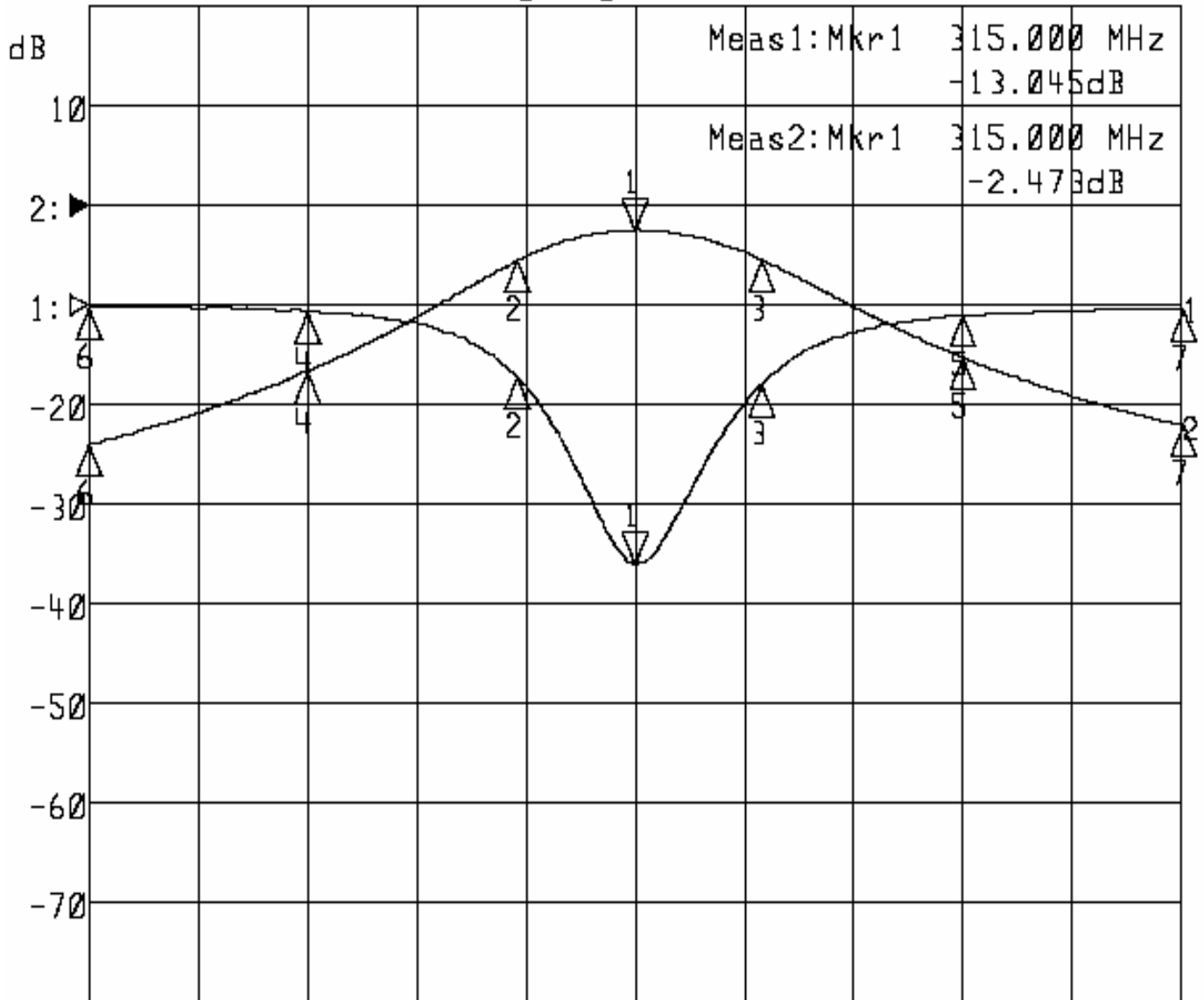
TEMWELL CORPORATION

Performance-TDS2044F-314M

20102004DC

▶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 315.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 315.0000	-13.045	1> 315.0000	-2.473
2: 304.2333	-3.580	2: 304.2333	-5.525
3: 326.5333	-4.003	3: 326.5333	-5.412
4: 285.0000	-0.349	4: 285.0000	-16.715
5: 345.0000	-0.553	5: 345.0000	-15.224
6: 265.0000	-0.077	6: 265.0000	-24.027
7: 365.0000	-0.188	7: 365.0000	-22.081