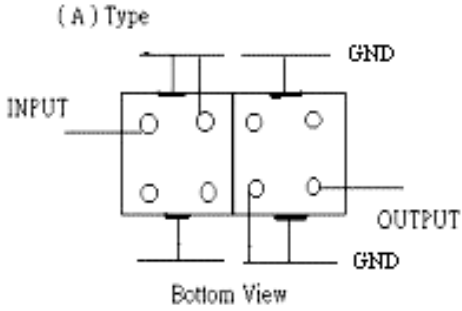
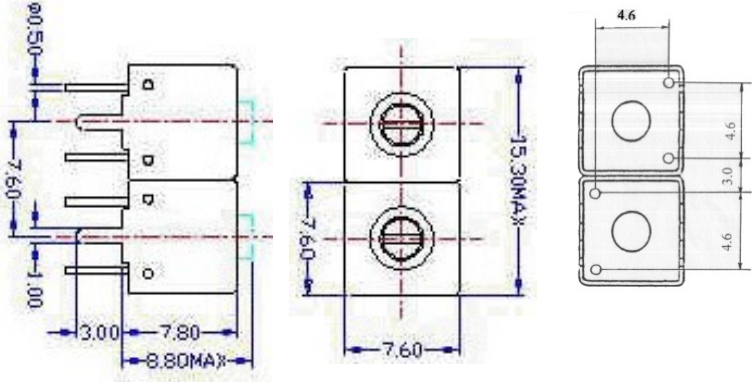


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2031A-300M
Approval No. /dated	20102086DC	Acceptable Specify Fo. Range	276~310MHz
Work Instruction No.	20102086DC	Date	2001.05.07

<p>(1) Pin Position</p>  <p style="text-align: center;">(A) Type Bottom View</p>	<p>(2) Size Diagram</p> 
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(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	300 MHz	300 MHz
Tunable Range	300±4 MHz	300±4 MHz
Insertion Loss	Typ. 6.0 dB	5.0 dB
-3 dB Bandwidth	Typ. 5 MHz	6.0 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 50 dBc 57 dBc
	Fo + 50 MHz	Typ. 40 dBc 44 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*3.5) 7S00LB5.5

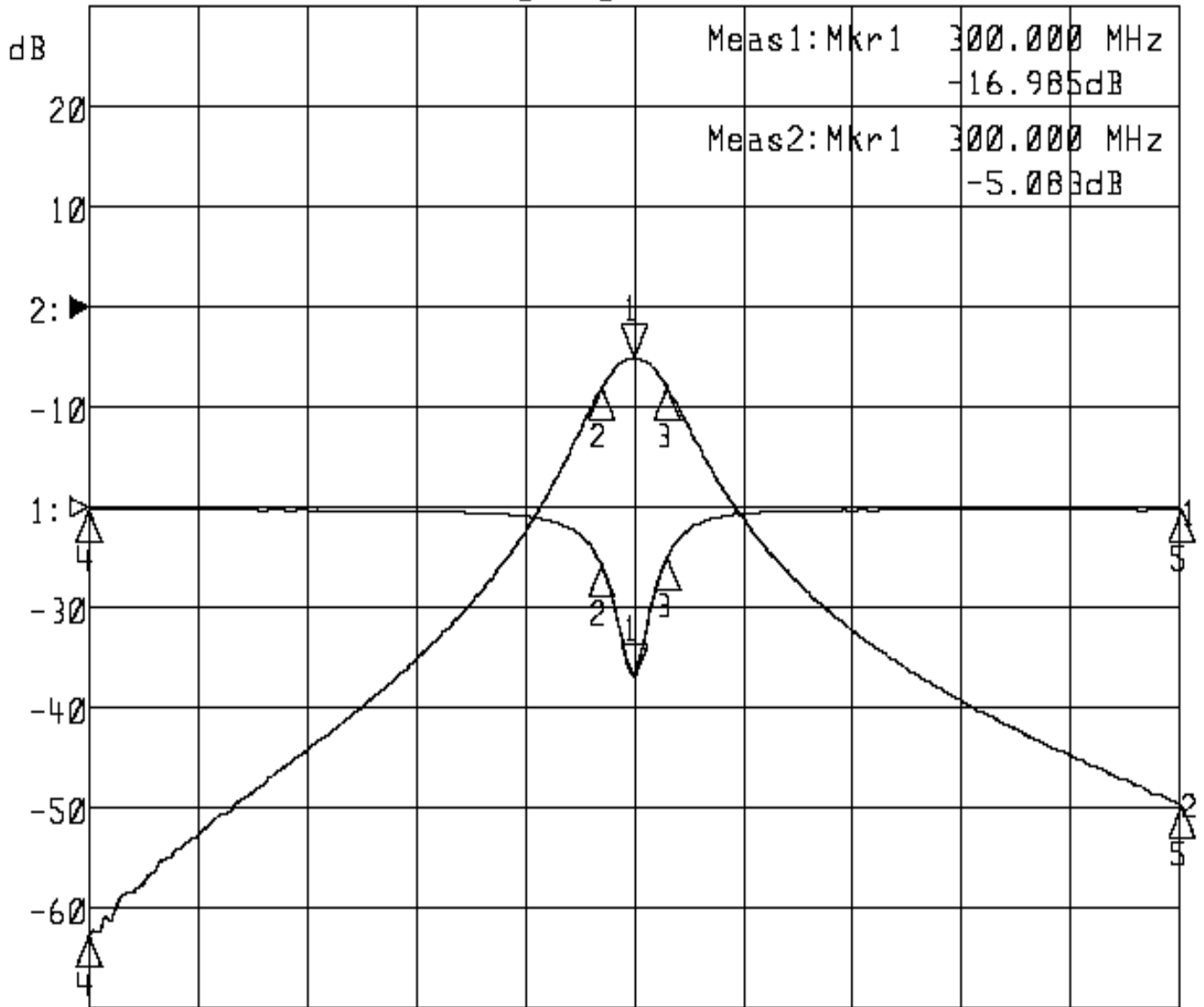
TEMWELL CORPORATION

Performance-TDS2031A-300M

20102086DC

▷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 300.000 MHz

Span 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 300.0000	-16.985	1> 300.0000	-5.083
2: 297.0333	-5.797	2: 297.0333	-8.068
3: 303.0667	-4.929	3: 303.0667	-8.012
4: 250.0000	-0.256	4: 250.0000	-62.783
5: 350.0000	-0.292	5: 350.0000	-49.679