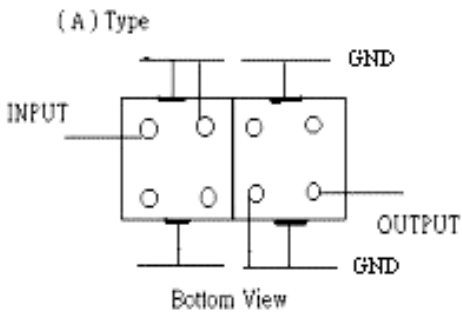
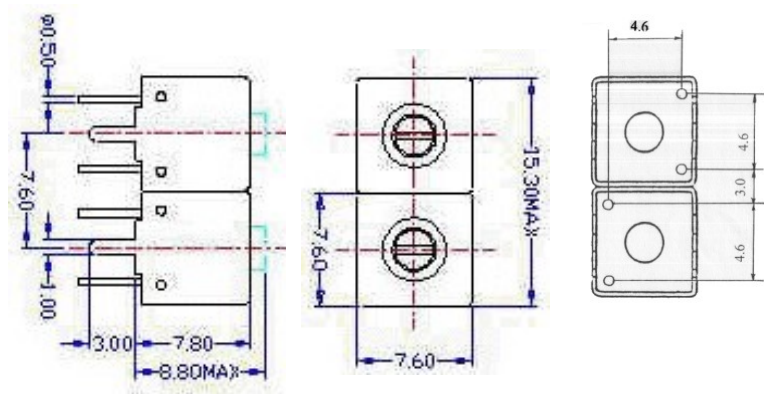


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2047A-314M
Approval No. /dated	20103072DC	Acceptable Specify Fo. Range	311~355MHz
Work Instruction No.	20103072DC	Date	2001.03.30

(1)Pin Position	(2)Size Diagram
 <p>(A) Type Bottom View</p>	

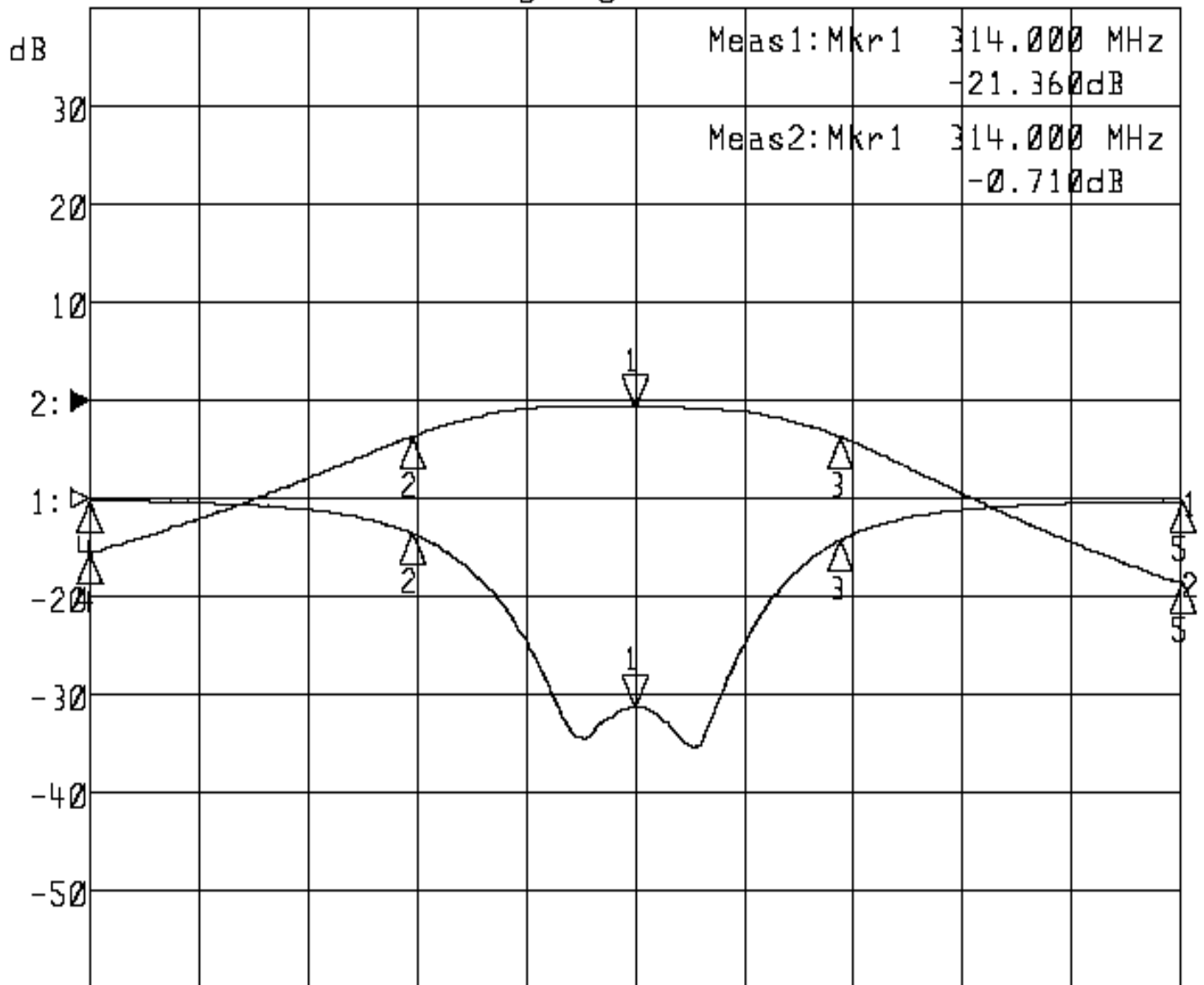
(3)Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		314 MHz	314 MHz
Tunable Range		314±3 MHz	314±3 MHz
Insertion Loss		Typ. 1.5 dB	0.7 dB
-3 dB Bandwidth		Typ. 35 MHz	39 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 11 dBc	14 dBc
	Fo + 50 MHz	Typ. 14 dBc	17 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	21 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) 7S024RB5.5
TEMWELL CORPORATION			

Performance-TDS2047A-314M

20103072DC

▶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 314.000 MHz

Span 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 314.0000	-21.360	1> 314.0000	-0.710
2: 293.6667	-3.618	2: 293.6667	-3.642
3: 332.7333	-4.327	3: 332.7333	-3.683
4: 264.0000	-0.235	4: 264.0000	-15.577
5: 364.0000	-0.294	5: 364.0000	-18.579