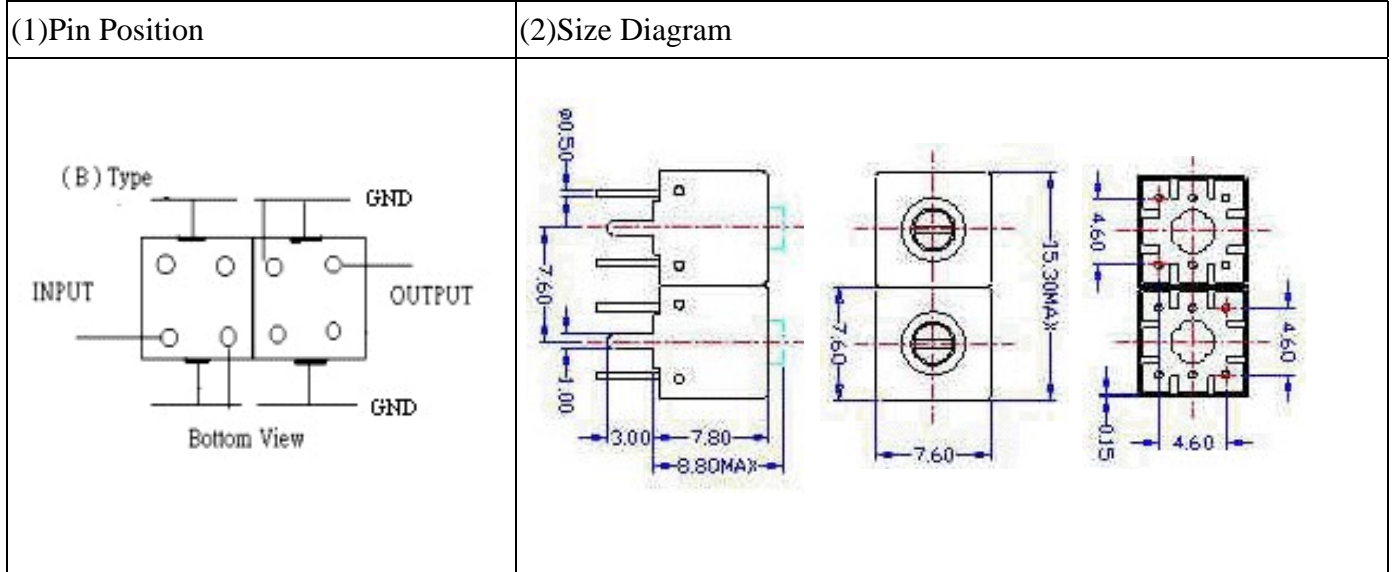


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2045B-314M
Approval No. /dated	20103070DC	Acceptable Specify Fo. Range	311~355MHz
Work Instruction No.	20103070DC	Date	2001.4.3



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	314 MHz	314 MHz	
Tunable Range	314±4 MHz	314±4 MHz	
Insertion Loss	Typ. 3.5 dB	2.6 dB	
-3 dB Bandwidth	Typ. 10 MHz	13 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 34 dBc	37 dBc
	Fo + 50 MHz	Typ. 31 dBc	34 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	19 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) 7S024RB5.5

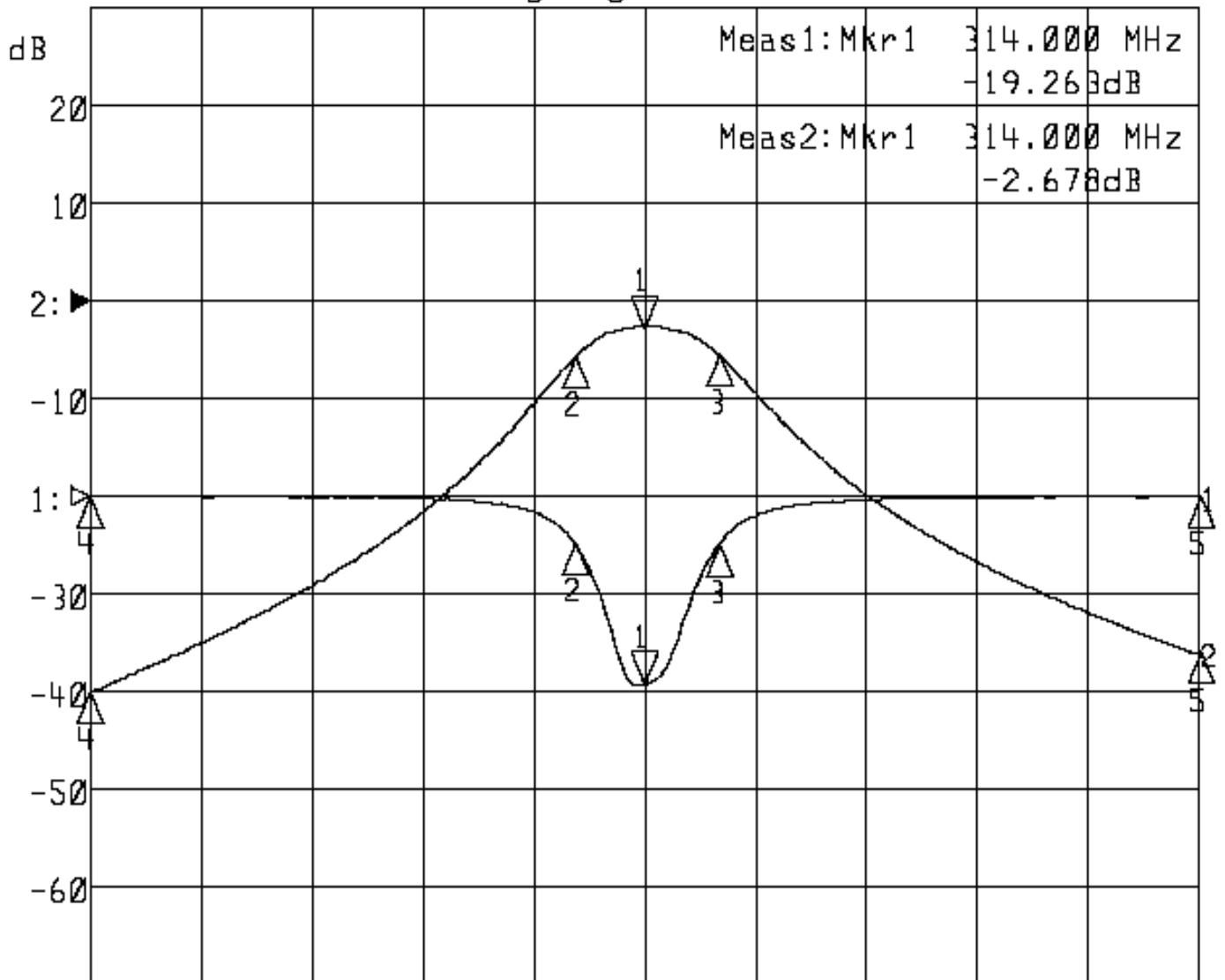
TEMWELL CORPORATION

Performance-TDS2045B-314M

20103070DC

▶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	-19.263	1> 314.0000	-2.678
2: 307.7667	-4.860	2: 307.7667	-5.682
3: 320.7000	-4.982	3: 320.7000	-5.504
4: 264.0000	-0.034	4: 264.0000	-40.070
5: 364.0000	-0.019	5: 364.0000	-36.081