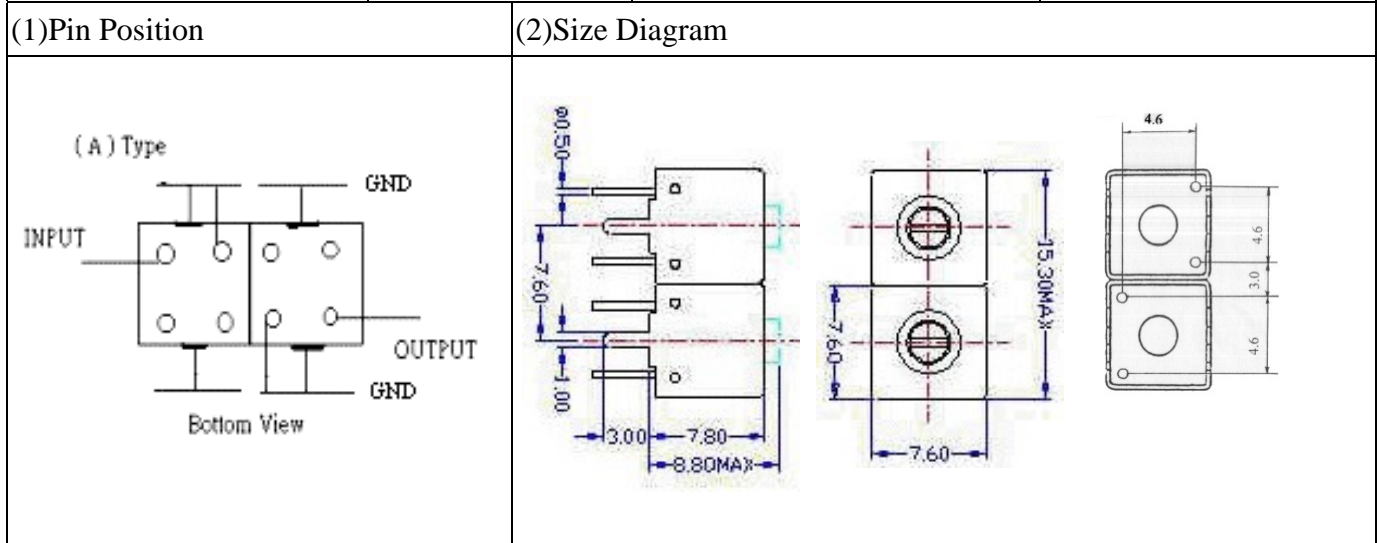


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2041A-314M
Approval No. /dated	20105008DC	Acceptable Specify Fo. Range	311~355MHz
Work Instruction No.	20105008DC	Date	2001.05.07



(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. 5.0 dB	4.2 dB
-3 dB Bandwidth	Typ. 3.0 MHz	6.0 MHz
Sensitivity (Attenuation)	Fo - 30 MHz	Typ. 40 dBc
	Fo + 30 MHz	Typ. 30 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	20 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

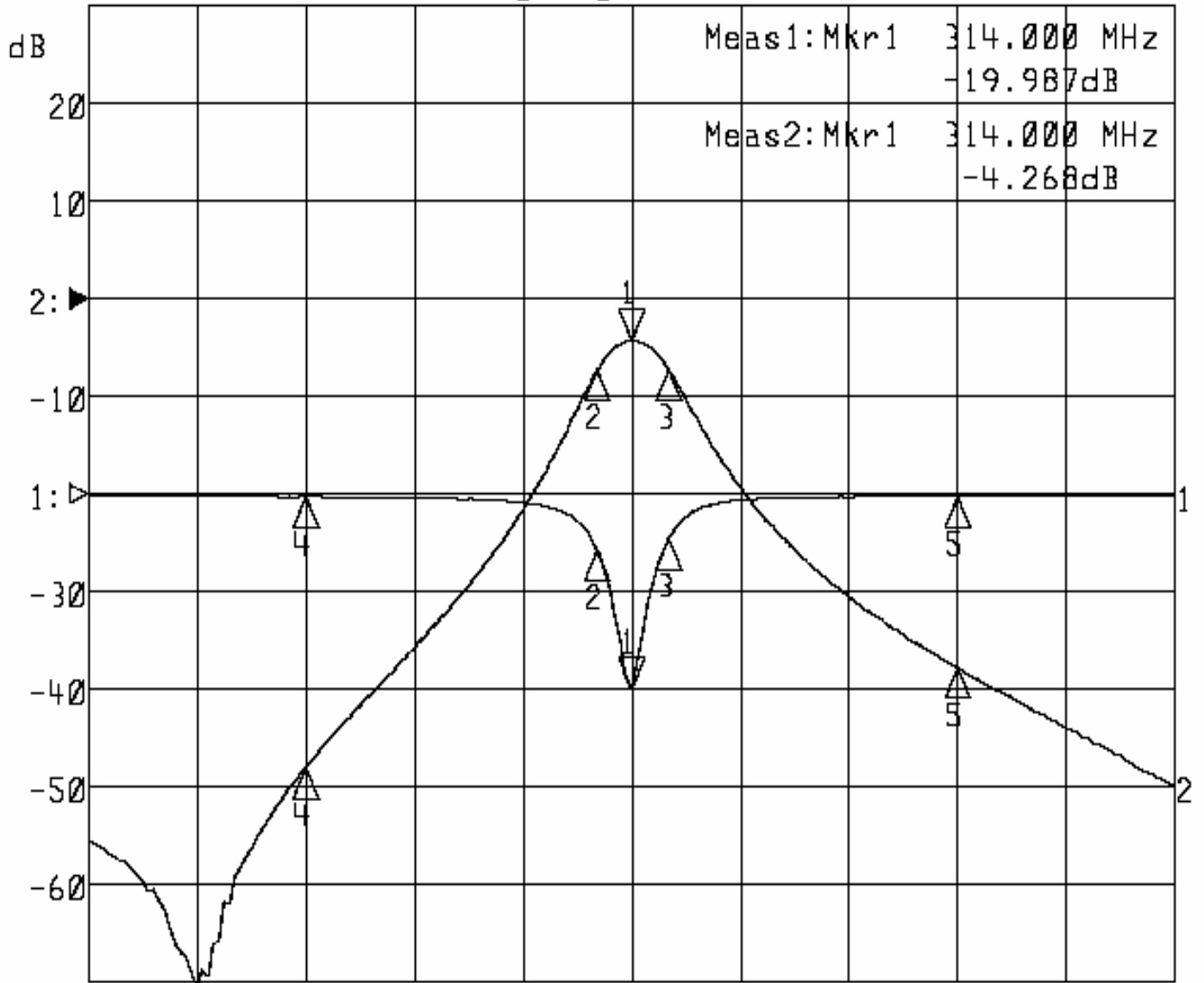
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*3.5) 7S024LB5

TEMWELL CORPORATION

Performance-TDS2041A-314M

20105008DC

▶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	-19.987	1> 314.0000	-4.268
2: 310.9000	-5.868	2: 310.9000	-7.191
3: 317.4667	-4.506	3: 317.4667	-7.274
4: 284.0000	-0.309	4: 284.0000	-47.951
5: 344.0000	-0.267	5: 344.0000	-37.803