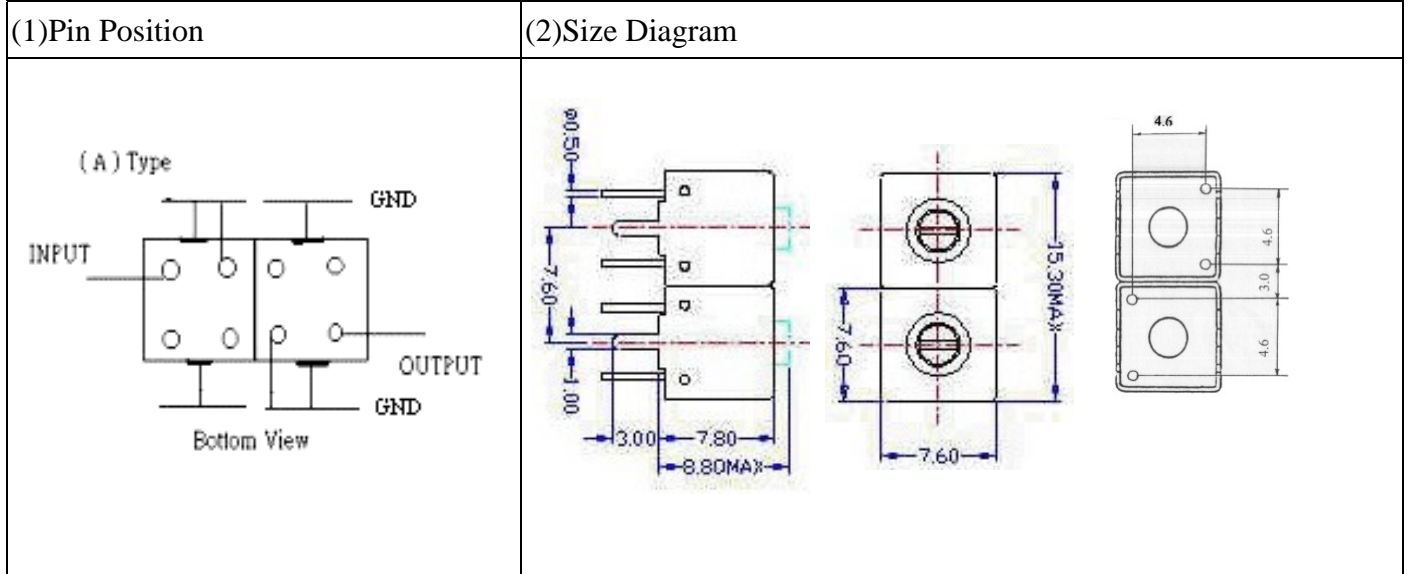


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2065A-440M
Approval No. /dated	20103059DC	Acceptable Specify Fo. Range	401~455MHz
Work Instruction No.	20103059DC	Date	2001.05.04



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	440 MHz	440 MHz	
Tunable Range	440±5 MHz	440±5 MHz	
Insertion Loss	Typ. 4.0 dB	3.2 dB	
-3 dB Bandwidth	Typ. 6.0 MHz	10 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 36 dBc	39 dBc
	Fo + 50 MHz	Typ. 31 dBc	34 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	22 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

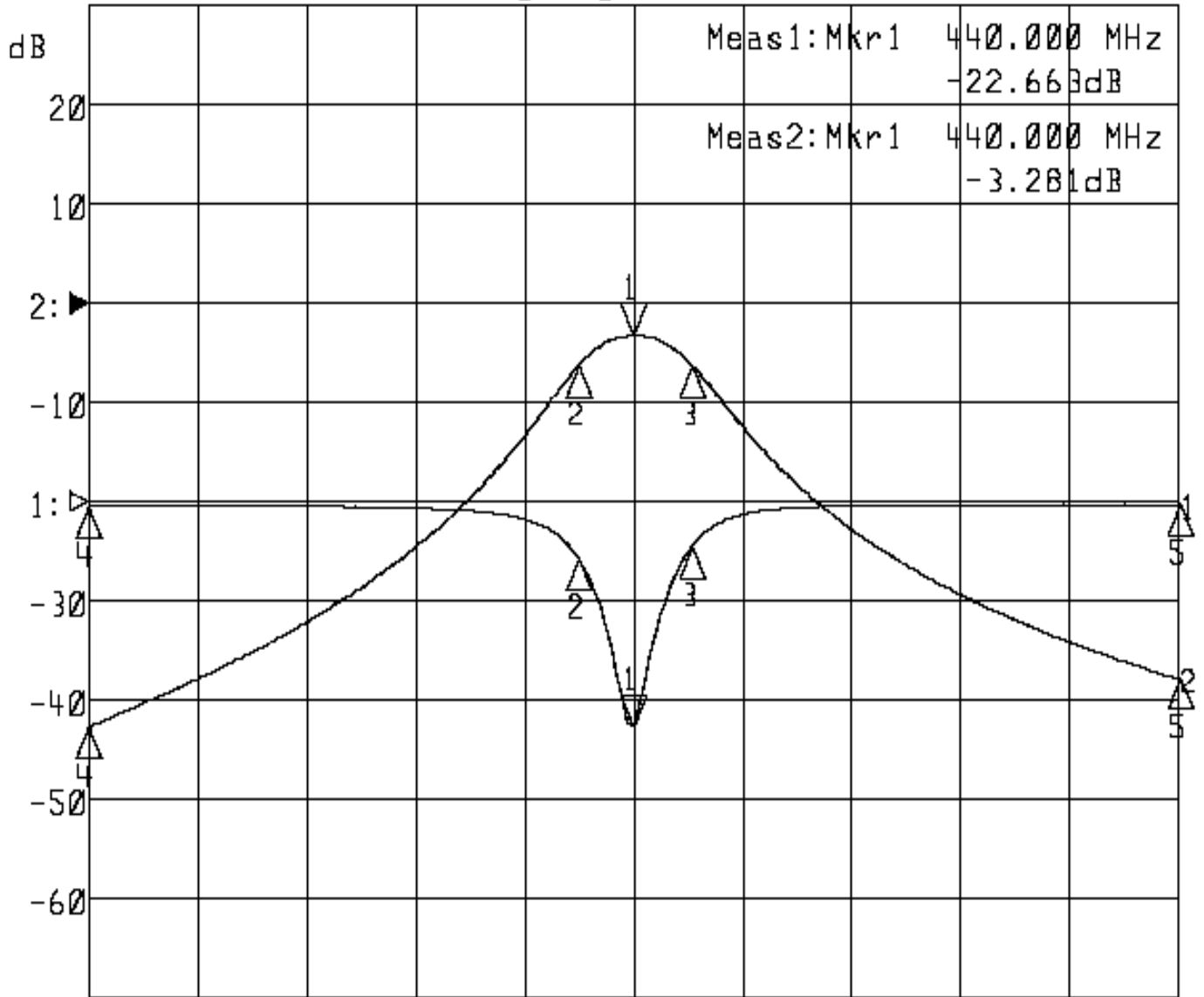
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*3.5) 7S024LB5

TEMWELL CORPORATION

Performance-TDS2065A-440M

20103059DC

▷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 440.000 MHz

Span 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 440.0000	-22.663	1> 440.0000	-3.281
2: 434.9667	-5.681	2: 434.9667	-6.236
3: 445.4000	-4.470	3: 445.4000	-6.226
4: 390.0000	-0.376	4: 390.0000	-42.764
5: 490.0000	-0.355	5: 490.0000	-37.855