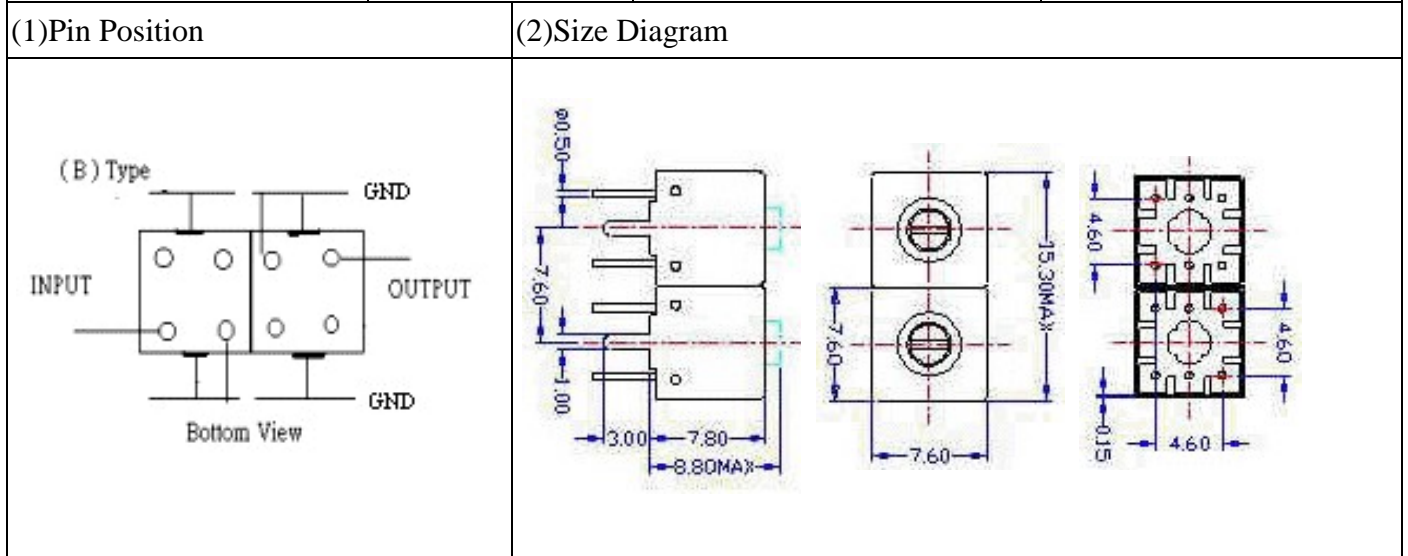


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2068B-420M
Approval No. /dated	20104013DB	Acceptable Specify Fo. Range	401~455MHz
Work Instruction No.	20104013DB	Date	2001.4.11



(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	420 MHz	420 MHz
Tunable Range	420±5 MHz	420±5 MHz
Insertion Loss	Typ. 3.0 dB	2.1 dB
-1 dB Bandwidth	Typ. 10 MHz	14 MHz
-3 dB Bandwidth	Typ. 15 MHz	19 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 29 dBc
	Fo + 50 MHz	Typ. 23 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	16.5 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

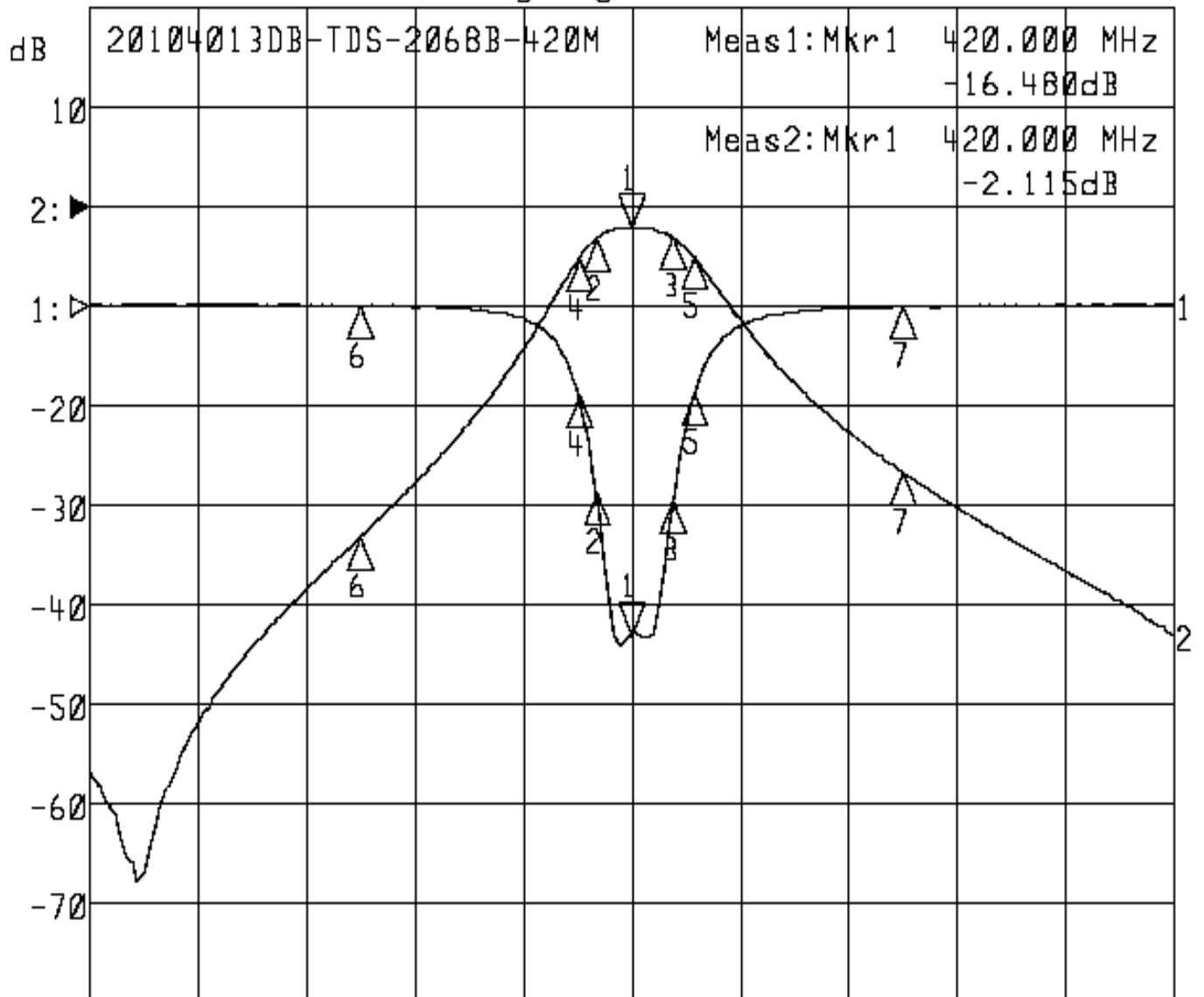
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*3.5) 7S024RB5.5

TEMWELL CORPORATION

Performance-TDS2068B-420M

20104013DB

▶1:S11 Refl Port1 Log Mag 5.0 dB/ Ref 0.00 dB C
 ▶2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Center 420.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 420.0000	-16.480	1> 420.0000	-2.115
2: 413.4667	-9.378	2: 413.4667	-3.182
3: 427.6667	-9.799	3: 427.6667	-3.059
4: 410.2667	-4.541	4: 410.2667	-5.163
5: 431.6000	-4.329	5: 431.6000	-5.074
6: 370.0000	0.002	6: 370.0000	-33.149
7: 470.0000	-0.036	7: 470.0000	-26.667