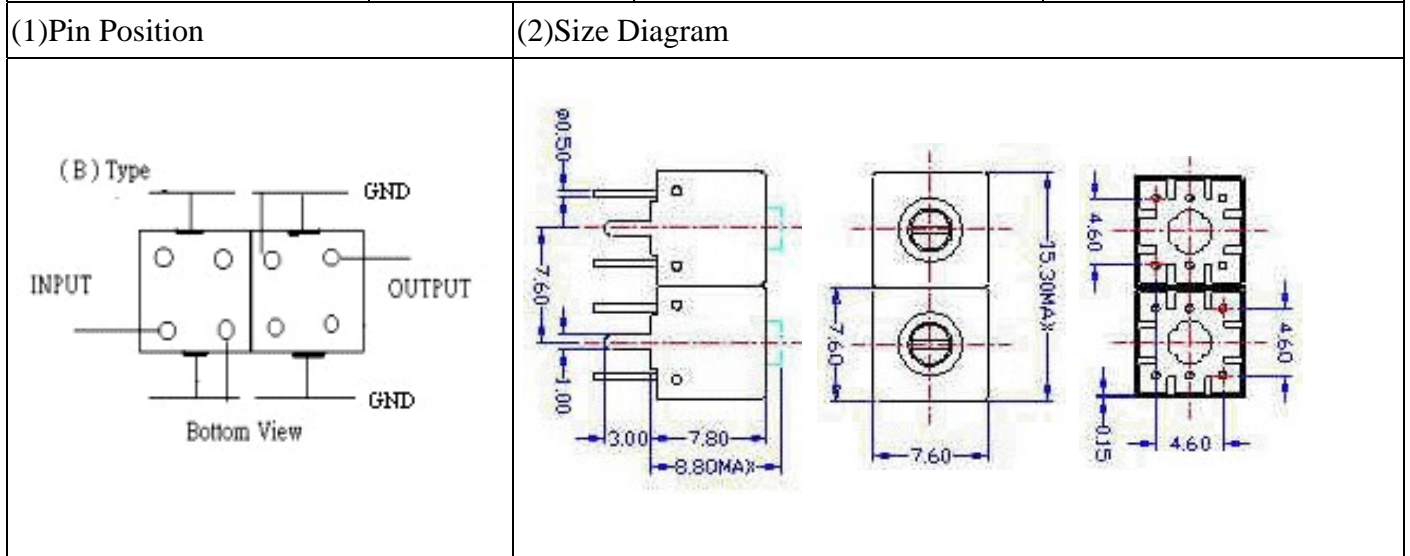


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2076B-470M
Approval No. /dated	20105043B	Acceptable Specify Fo. Range	456~515MHz
Work Instruction No.	20105043B	Date	2001.05.22



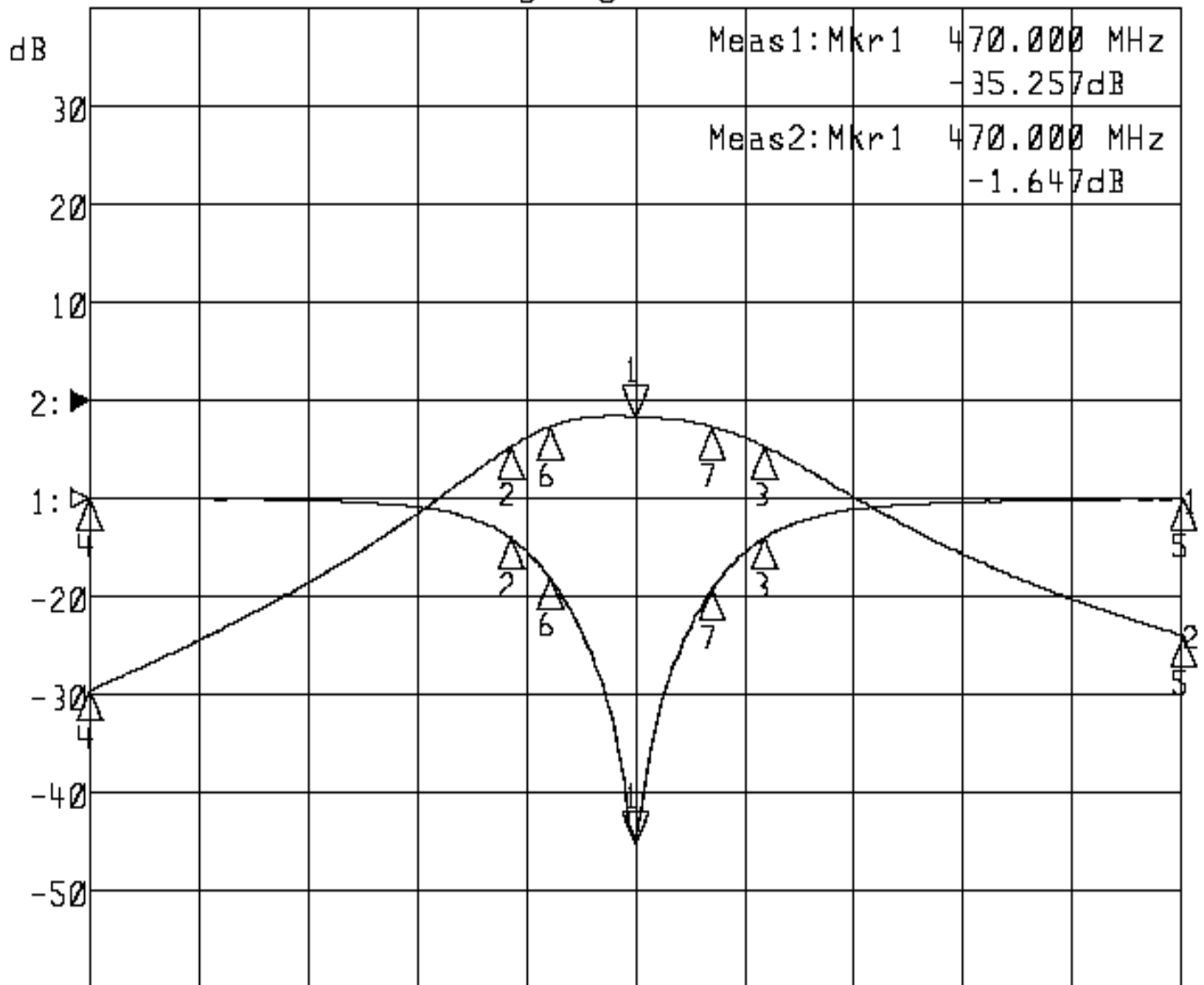
(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		470 MHz	470 MHz
Tunable Range		470±5 MHz	470±5 MHz
Insertion Loss		Typ. 2.5 dB	1.6 dB
-1 dB Bandwidth		Typ. 10 MHz	15 MHz
-3 dB Bandwidth		Typ. 15 MHz	20 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 25 dBc	28 dBc
	Fo + 50 MHz	Typ. 19 dBc	22 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	35 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-TDS2076B-470M

20106043B

▶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 470.000 MHz

Span 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 470.0000	-35.257	1> 470.0000	-1.647
2: 458.7000	-4.110	2: 458.7000	-4.674
3: 481.8667	-3.945	3: 481.8667	-4.680
4: 420.0000	0.025	4: 420.0000	-29.562
5: 520.0000	-0.054	5: 520.0000	-23.947
6: 462.1333	-7.946	6: 462.1333	-2.691
7: 477.0333	-9.328	7: 477.0333	-2.655