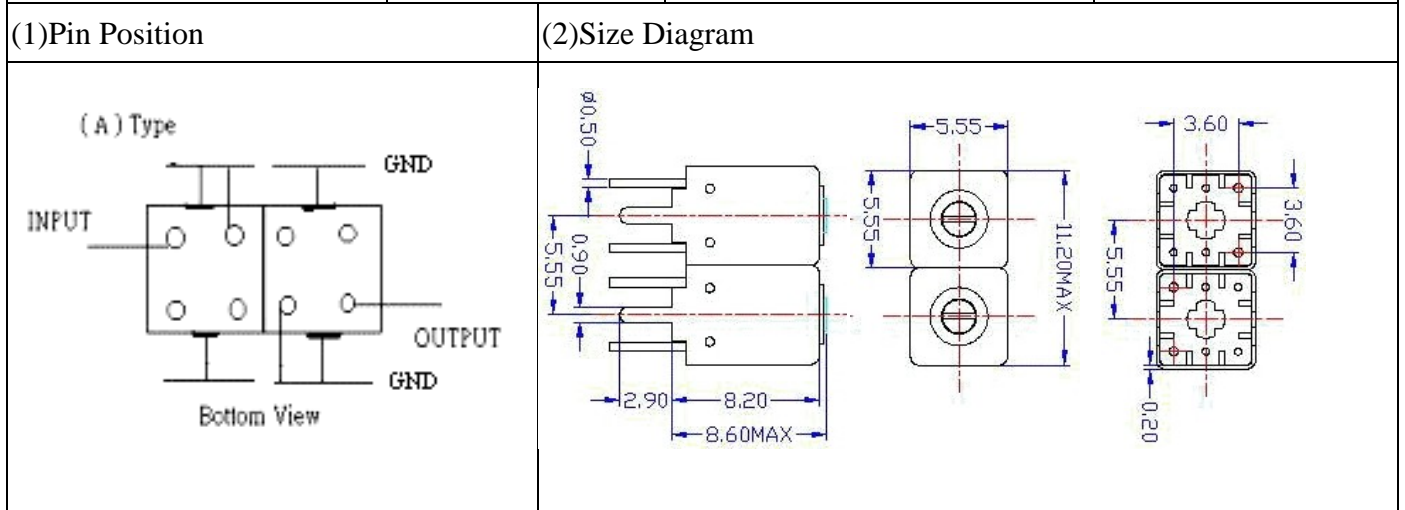


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2438A-460M
Approval No. /dated	20112005DC	Acceptable Specify Fo. Range	451~500MHz
Work Instruction No.	20112005DC	Date	Dec.12.2001



(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	460 MHz	460 MHz
Tunable Range:	460±5 MHz	460±5 MHz
Insertion Loss	Typ. 2.5 dB	1.79 dB
-3 dB Bandwidth	Typ. 21 MHz	26.5 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 15 dBc
	Fo + 50 MHz	Typ. 23 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	18 dB
Ripple	< 1 dB	dB
Impedance	In / Out : 50 Ω	In / Out : 50 Ω
(4) Torque for Tuning Screw	> 60gf • cm	

(5) Temperature Condition:

Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C
(6) Input Power	> 0.5Watt

Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	C.S. Chang	5W2S(3.8*4.2) 5HW024RB3

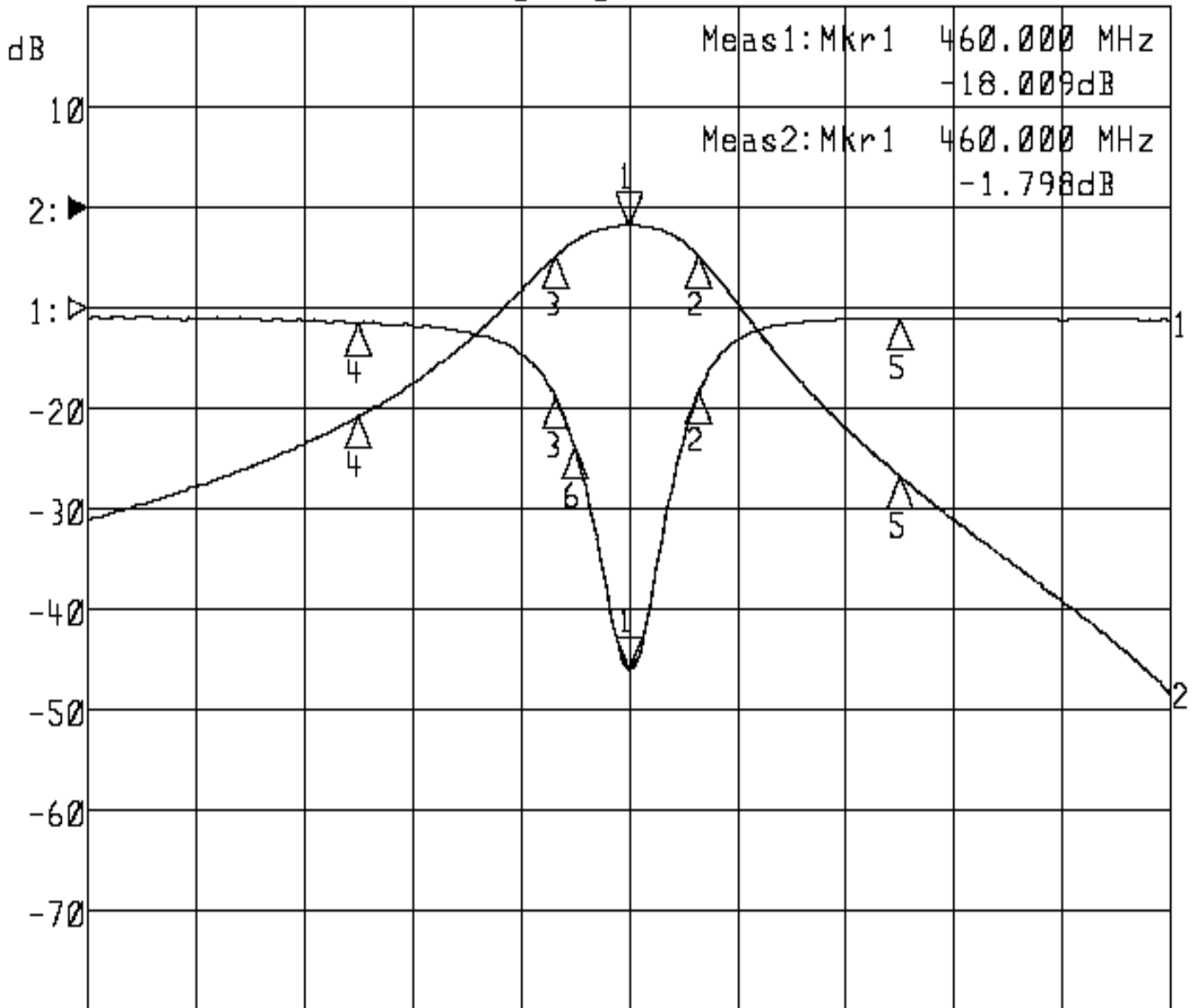
TEMWELL CORPORATION

Performance-TDW2438A-460M

20112005DC

▶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 460.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 460.0000	-18.009	1> 460.0000	-1.798
2: 472.9333	-4.172	2: 472.9333	-4.783
3: 446.4000	-4.373	3: 446.4000	-4.860
4: 410.0000	-0.723	4: 410.0000	-20.817
5: 510.0000	-0.537	5: 510.0000	-26.689
6: 450.0000	-6.893		