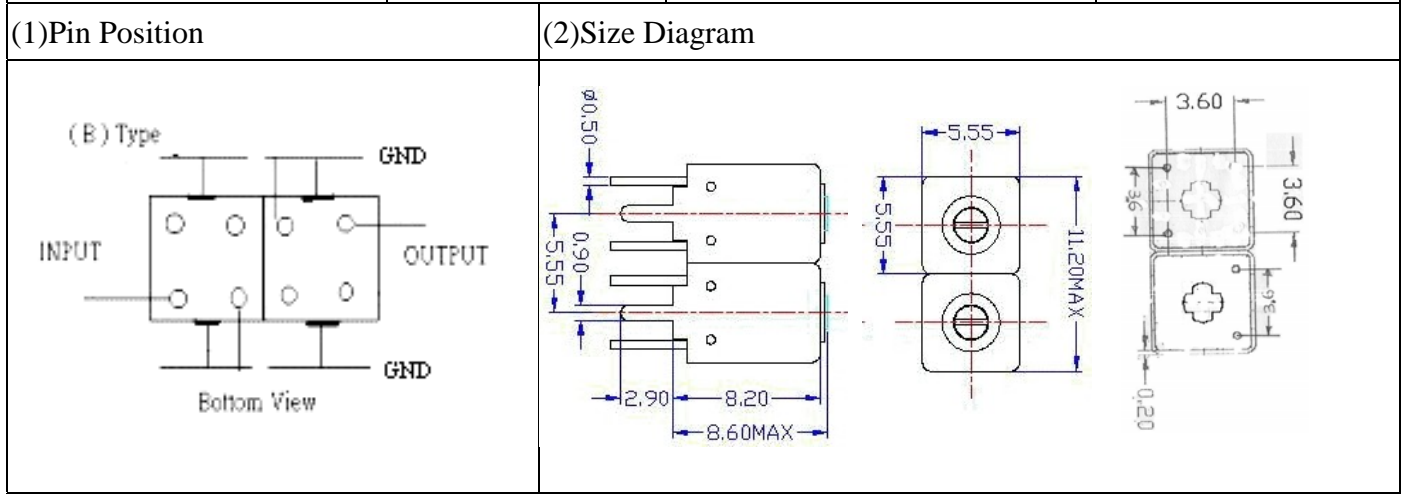


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2431B-460M
Approval No. /dated	20111013DC	Acceptable Specify Fo. Range	451~500MHz
Work Instruction No.	20111013DC	Date	Nov.21.2001



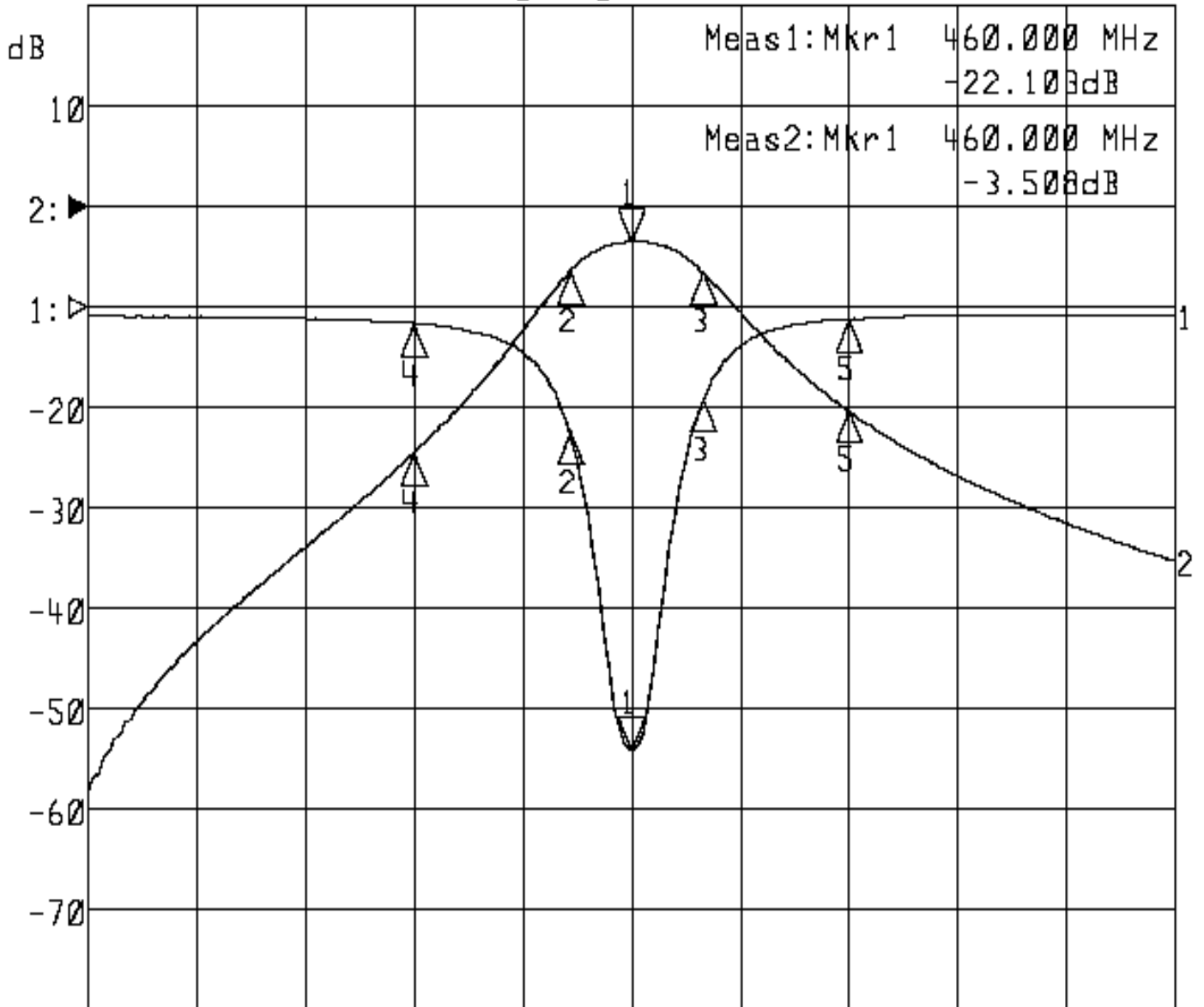
(3) Electric Character			
Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	460 MHz	460 MHz	
Tunable Range:	460±5 MHz	460±5 MHz	
Insertion Loss	Typ. 4.5 dB	3.5 dB	
-3 dB Bandwidth	Typ. 7 MHz	12.3 MHz	
Sensitivity (Attenuation)	Fo - 20 MHz	Typ. 19 dBc	21 dBc
	Fo + 20 MHz	Typ. 13 dBc	16 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	22.1 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	Enlan	5W2S(3.8*3.7) 5HW024RB3
TEMWELL CORPORATION			

Performance-TDW2431B-460M

20111013DC

▶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 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 460.0000	-22.103	1> 460.0000	-3.508
2: 454.3333	-6.211	2: 454.3333	-6.475
3: 466.6000	-4.658	3: 466.6000	-6.521
4: 440.0000	-0.832	4: 440.0000	-24.521
5: 480.0000	-0.617	5: 480.0000	-20.368