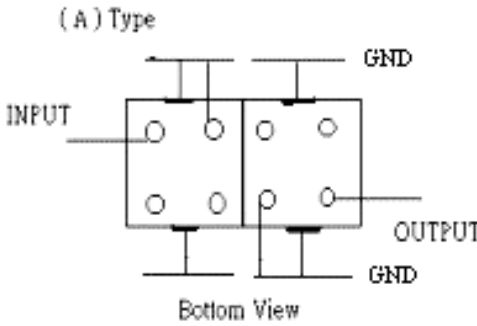
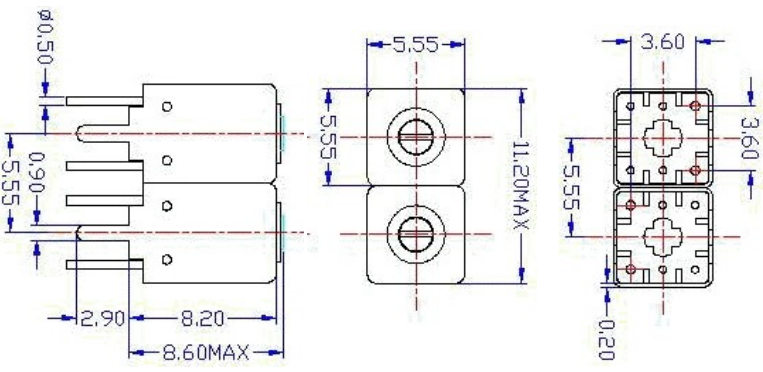


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2445A-470M
Approval No. /dated	20111005DC	Acceptable Specify Fo. Range	451~500MHz
Work Instruction No.	20111005DC	Date	Nov.06.2001

<p>(1) Pin Position</p> 	<p>(2) Size Diagram</p> 
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(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. 2.0 dB	0.98 dB	
-3 dB Bandwidth	Typ. 24 MHz	29.3 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 14 dBc	17 dBc
	Fo + 50 MHz	Typ. 19 dBc	22 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	32.5 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

(4) Torque for Tuning Screw	> 60gf · cm	
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(5) Temperature Condition:

Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C

(6) Input Power	> 0.5Watt
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Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	C.S. Chang	5W2S(3.8*4.7) 5HW024RB3

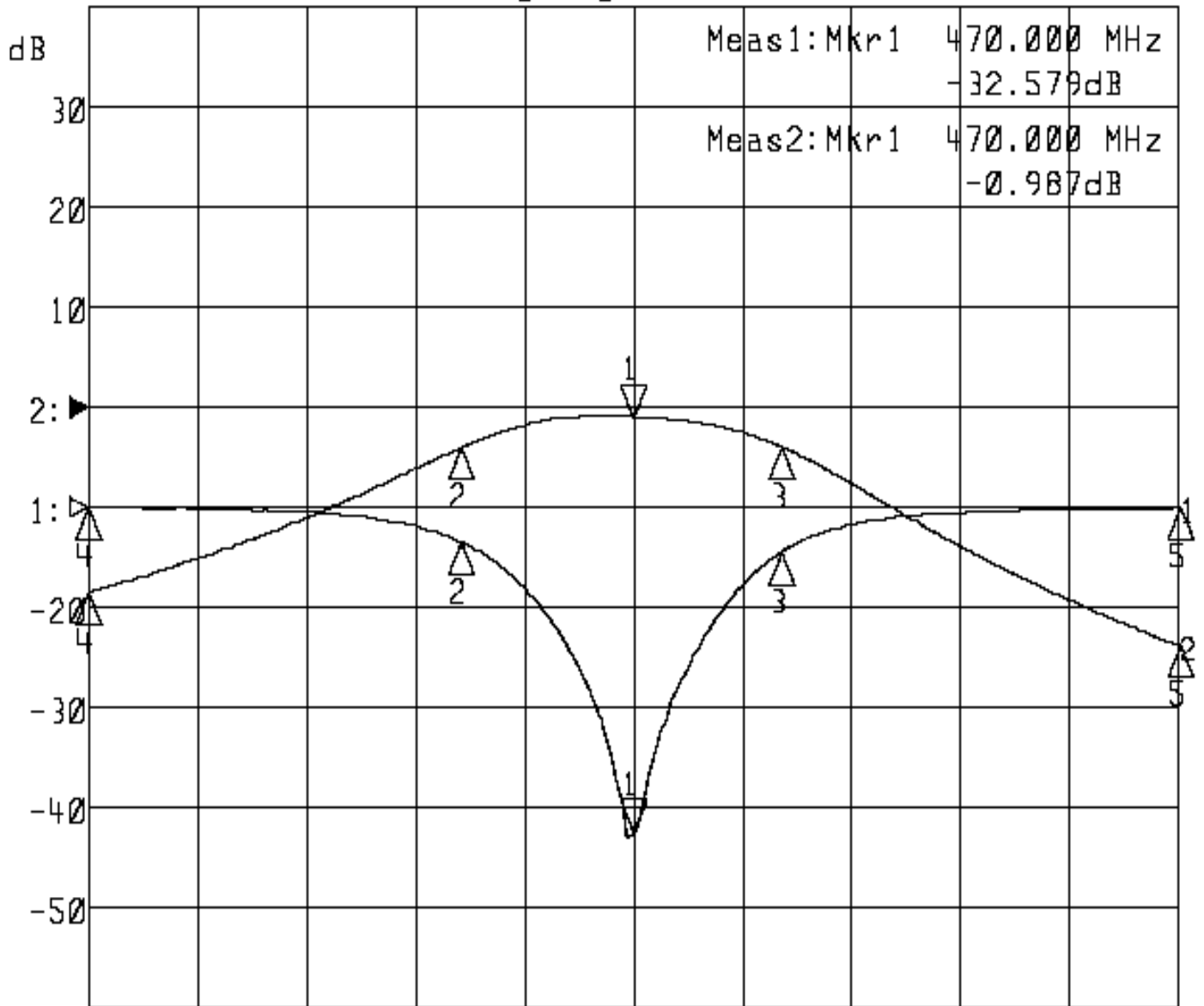
TEMWELL CORPORATION

Performance- TDW2445A-470M

20111005DC

▷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	-32.579	1> 470.0000	-0.987
2: 454.3000	-3.490	2: 454.3000	-3.983
3: 483.6333	-4.413	3: 483.6333	-3.950
4: 420.0000	-0.099	4: 420.0000	-18.511
5: 520.0000	-0.119	5: 520.0000	-23.764