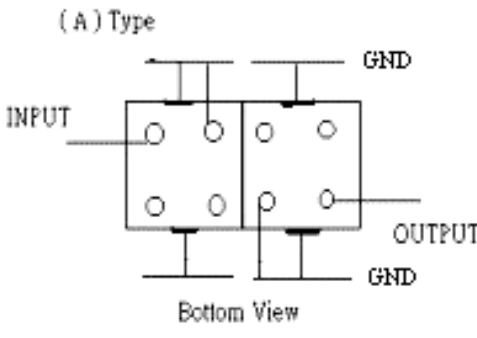
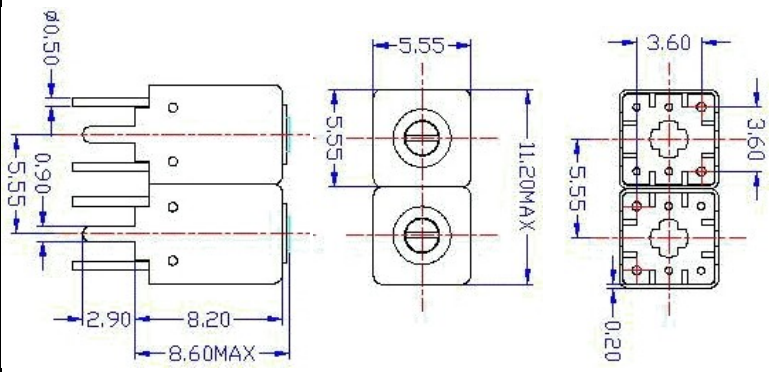


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2423A-420M
Approval No. /dated	20112080DC	Acceptable Specify Fo. Range	401~450MHz
Work Instruction No.	20112080DC	Date	Jan.08.2002

(1)Pin Position	(2)Size Diagram
 <p>(A) Type Bottom View</p>	

(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. 4.0 dB	3.32 dB	
-3 dB Bandwidth	Typ. 17 MHz	20.1 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 18 dBc	21 dBc
	Fo + 50 MHz	Typ. 27 dBc	30 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	20.2 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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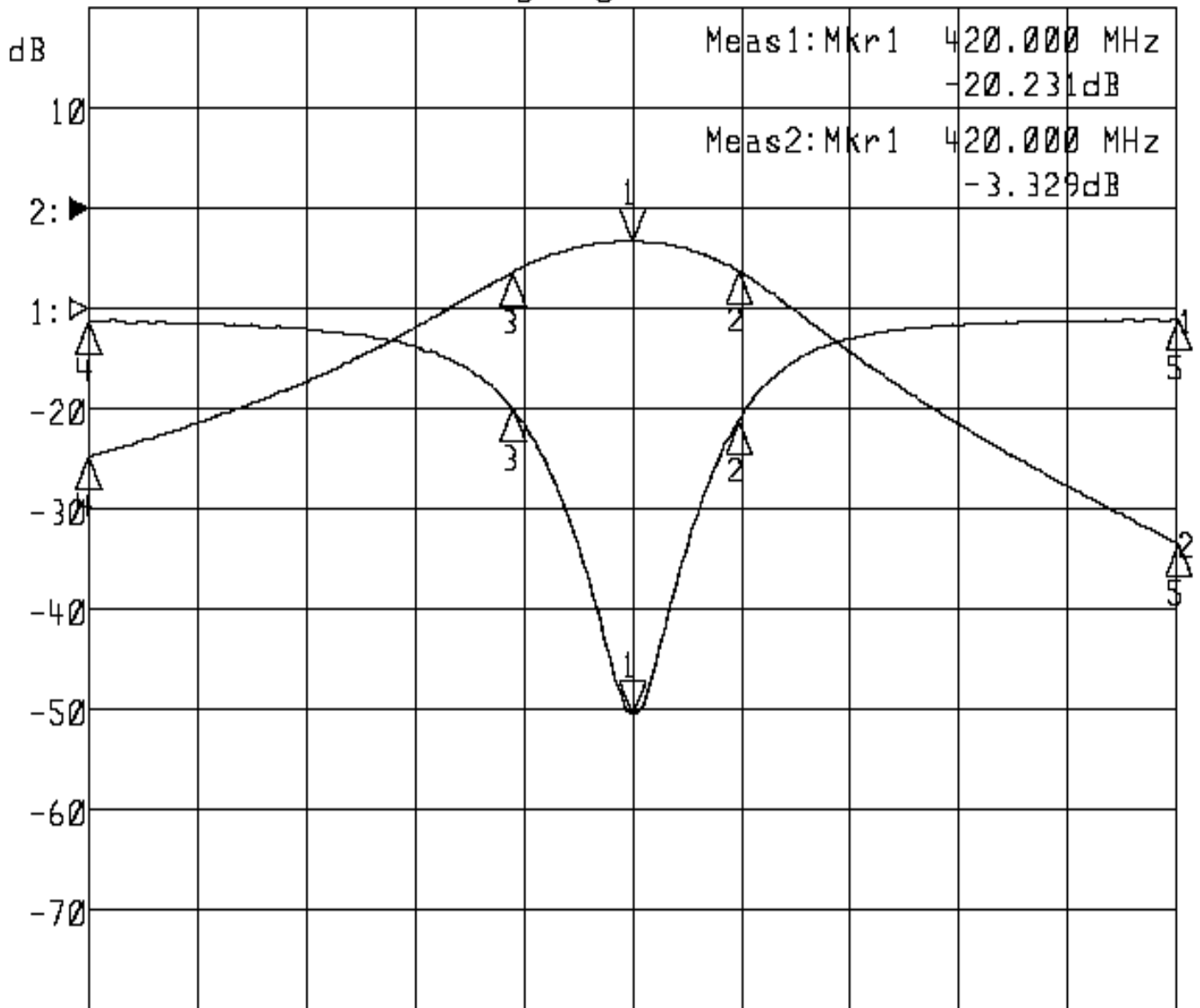
Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	C.S. Chang	5W2S(3.8*4.2) 5HW00LB3

TEMWELL CORPORATION

Performance-TDW2423A-420M

20112080DC

▶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 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 420.0000	-20.231	1> 420.0000	-3.329
2: 429.8000	-5.570	2: 429.8000	-6.298
3: 408.9667	-4.987	3: 408.9667	-6.392
4: 370.0000	-0.613	4: 370.0000	-24.759
5: 470.0000	-0.549	5: 470.0000	-33.385