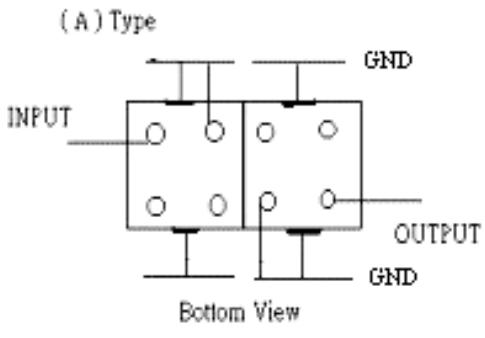
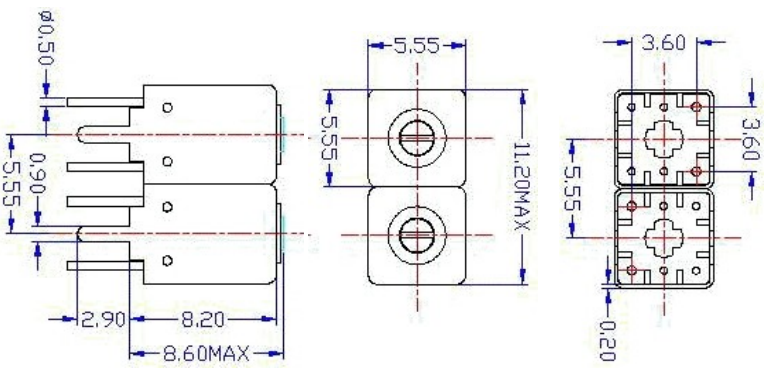


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2433A-420M
Approval No. /dated	20111001DC	Acceptable Specify Fo. Range	401~450MHz
Work Instruction No.	20111001DC	Date	Nov.06.2001

(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. 2.0 dB	1.04 dB	
-3 dB Bandwidth	Typ. 23 MHz	27.2 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 15 dBc	18 dBc
	Fo + 50 MHz	Typ. 19 dBc	22 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	24.8 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

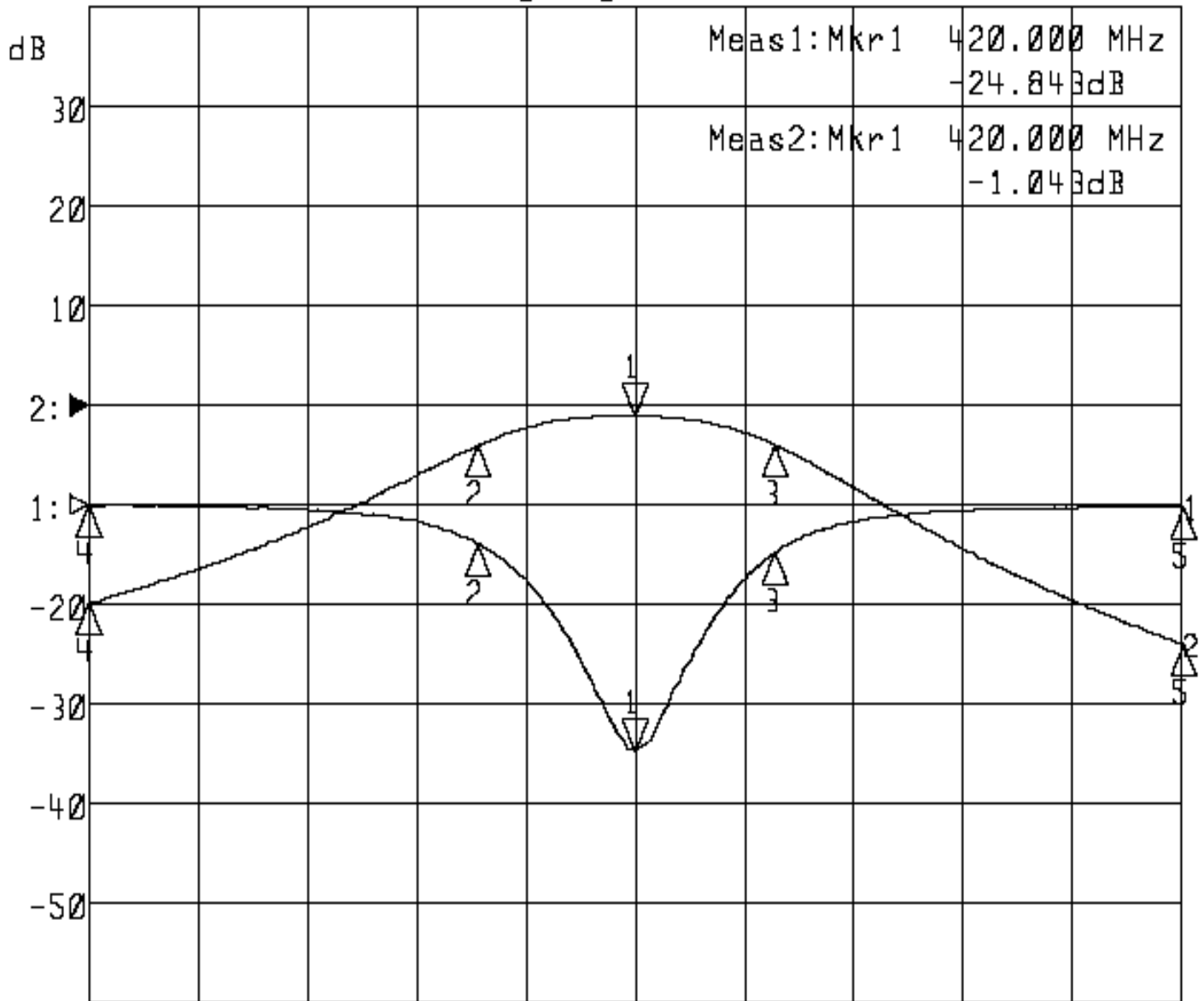
Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	C.S. Chang	5W2S(3.8*4.7) 5HW024RB3

TEMWELL CORPORATION

# Performance- TDW2433A-420M

## 20111001DC

▶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 420.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 420.0000	-24.843	1> 420.0000	-1.043
2: 405.6333	-3.894	2: 405.6333	-4.067
3: 432.8667	-4.761	3: 432.8667	-4.020
4: 370.0000	-0.058	4: 370.0000	-19.809
5: 470.0000	-0.218	5: 470.0000	-23.916