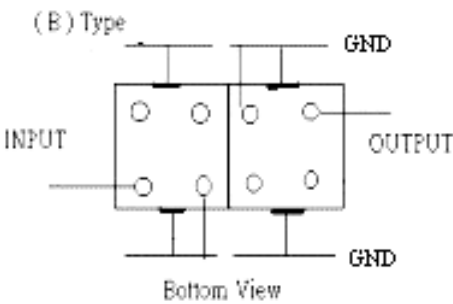
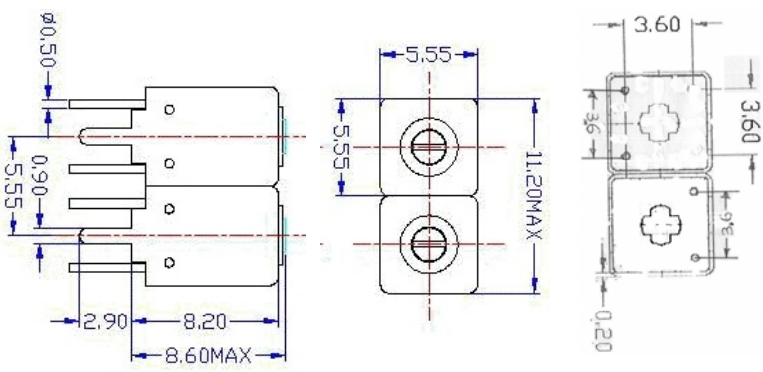


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2430B-400M
Approval No. /dated	20111166DC	Acceptable Specify Fo. Range	401~450MHz
Work Instruction No.	20111166DC	Date	Nov.06.2003

(1)Pin Position	(2)Size Diagram
	

### (3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo ) +/- 0.5 %	400 MHz	400 MHz	
Tunable Range:	400±5 MHz	400±5 MHz	
Insertion Loss	Typ. 4.5 dB	3.9 dB	
-3 dB Bandwidth	Typ. 6 MHz	10.3 MHz	
Sensitivity (Attenuation)	Fo - 20 MHz	Typ. 22 dBc	25 dBc
	Fo + 20 MHz	Typ. 17 dBc	20 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	16.8 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

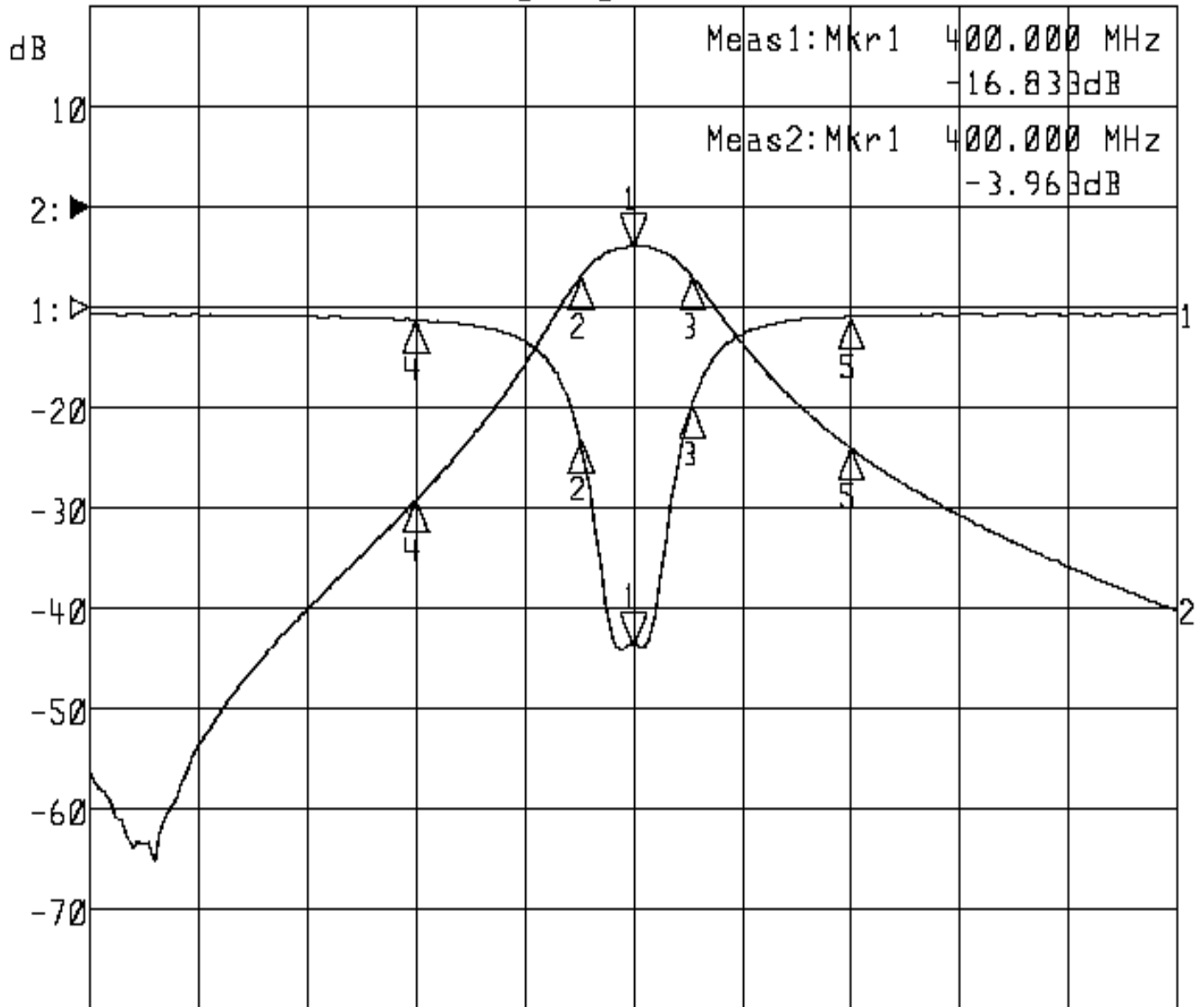
Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	C.S. Chang	5W2S(3.8*3.7) 5HW024RB3

TEMWELL CORPORATION

# Performance-TDW2430B-400M

## 2011166DC

▶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 400.000 MHz

Span 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 400.0000	-16.833	1> 400.0000	-3.963
2: 395.1333	-6.658	2: 395.1333	-6.940
3: 405.4333	-4.818	3: 405.4333	-6.970
4: 380.0000	-0.648	4: 380.0000	-29.232
5: 420.0000	-0.480	5: 420.0000	-24.033