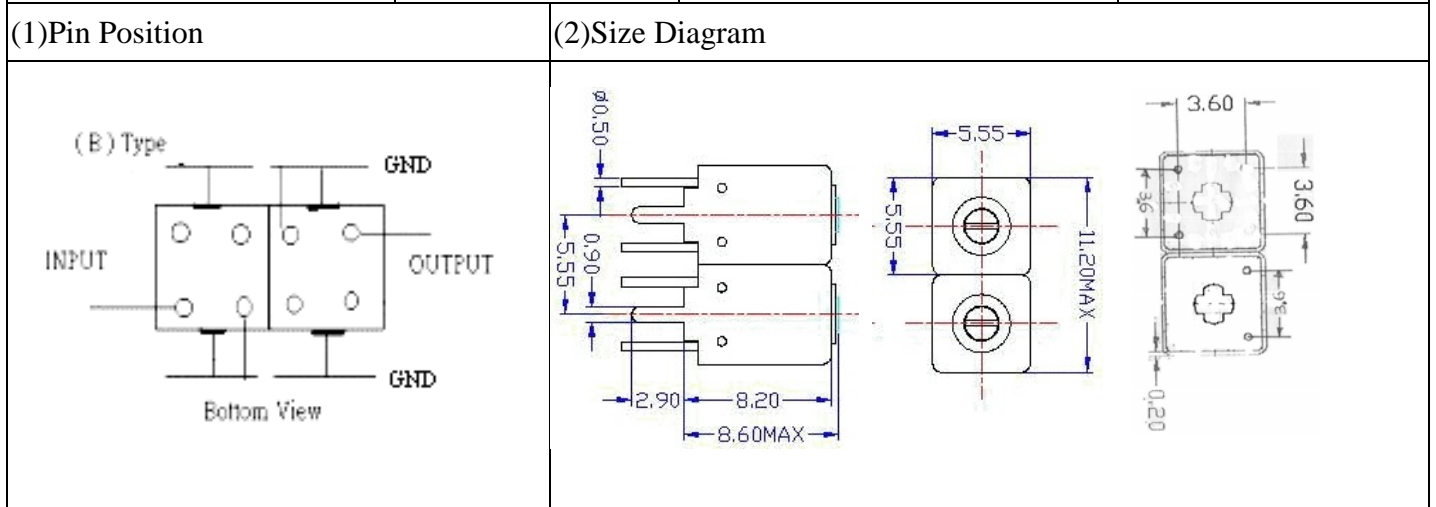


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2553B-915M
Approval No. /dated	20111162DC	Acceptable Specify Fo. Range	901~950MHz
Work Instruction No.	20111162DC	Date	Jan.10.2002



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	915 MHz	915 MHz	
Tunable Range:	915±5 MHz	915±5 MHz	
Insertion Loss	Typ. 3.5 dB	2.37 dB	
-3 dB Bandwidth	Typ. 29 MHz	37.6 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 24 dBc	27 dBc
	Fo + 100 MHz	Typ. 21 dBc	24 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo + ( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	25.4 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

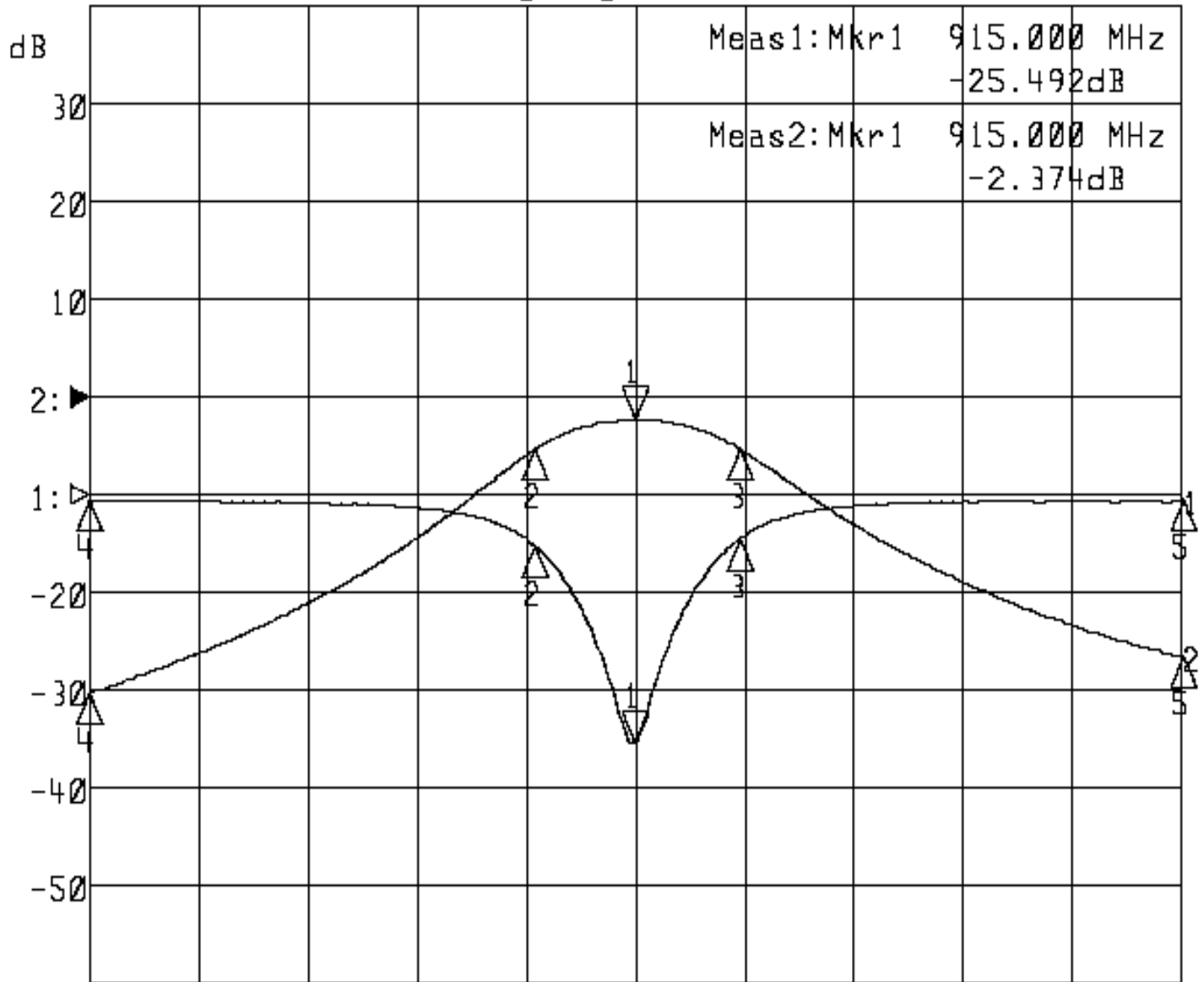
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	5W2S(3.8*3.7) 5HW024RB3

TEMWELL CORPORATION

# Performance-TDW2553B-915M

## 2011162DC

▷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 915.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 915.0000	-25.492	1> 915.0000	-2.374
2: 896.6667	-5.256	2: 896.6667	-5.356
3: 934.2000	-4.466	3: 934.2000	-5.325
4: 815.0000	-0.624	4: 815.0000	-30.275
5: 1015.0000	-0.600	5: 1015.0000	-26.562