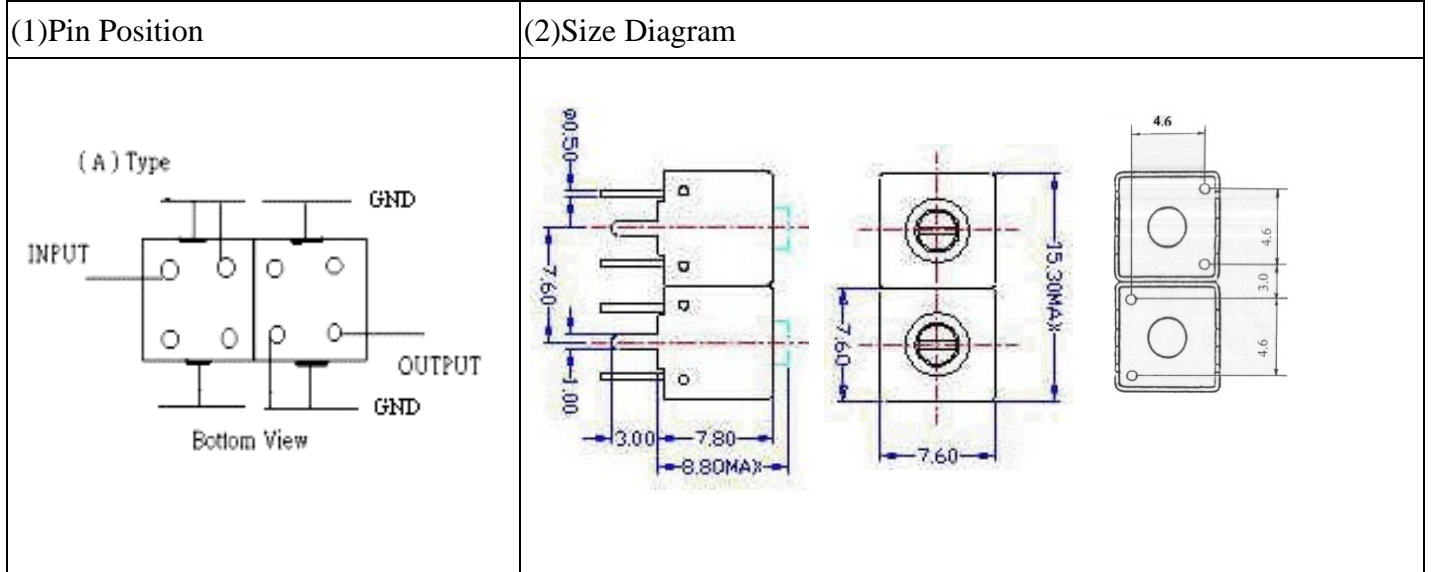


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2316A-1472M
Approval No. /dated	20110077DC	Acceptable Specify Fo. Range	1301~1500MHz
Work Instruction No.	20110077DC	Date	2001.10.25



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1472 MHz	1472 MHz	
Tunable Range	1472±5 MHz	1472±5 MHz	
Insertion Loss	Typ. 5.0 dB	4.3 dB	
-3 dB Bandwidth	Typ. 38 MHz	44 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 20 dBc	23 dBc
	Fo + 100 MHz	Typ. 18 dBc	21 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	13 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

(4) Torque for Tuning Screw > 100gf · cm

(5) Temperature Condition:

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

(6) Input Power > 1Watt

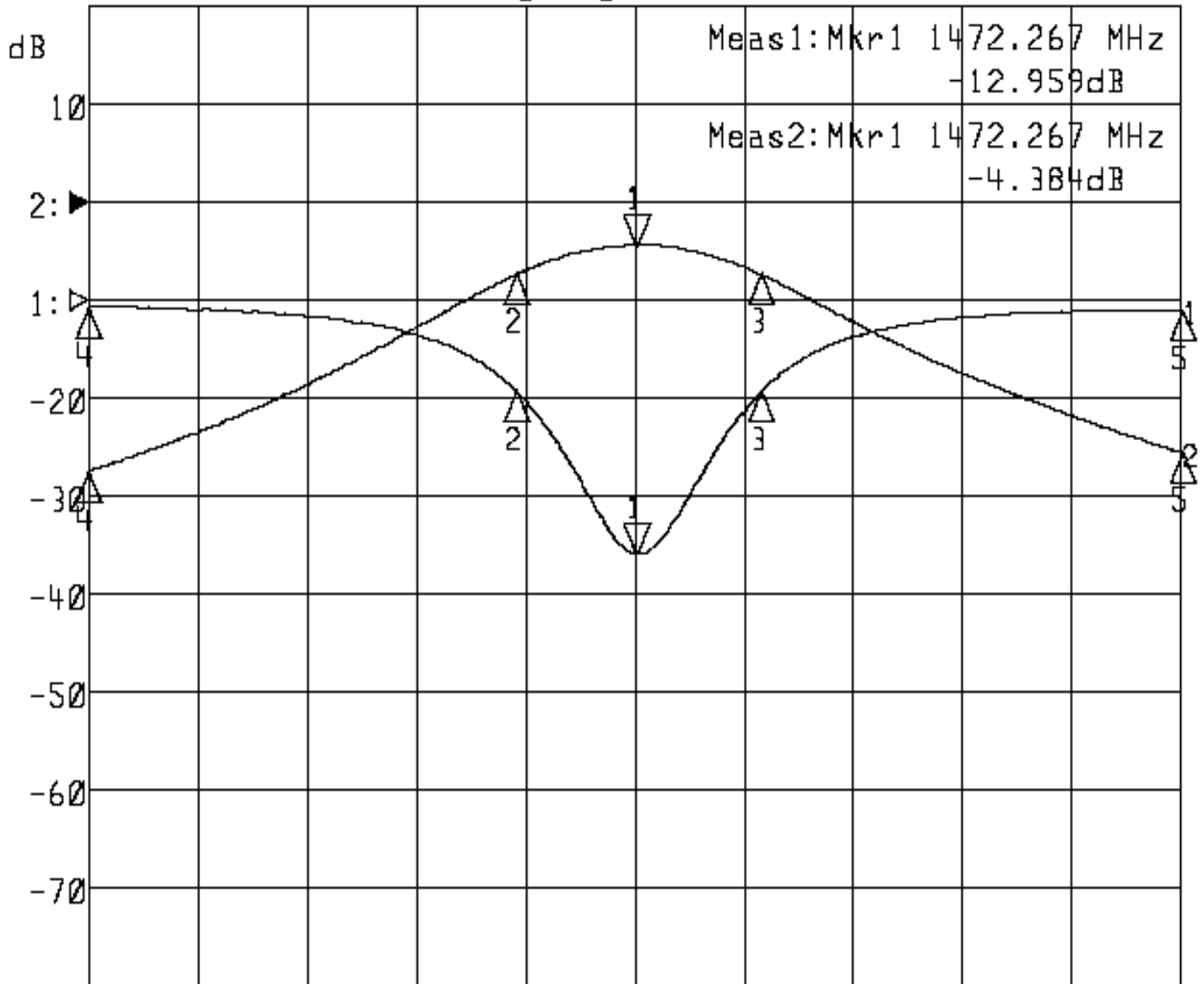
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB4

TEMWELL CORPORATION

# Performance-TDS2316A-1472M

## 20110077DC

▷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 1 472.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 1472.2667	-12.959	1> 1472.2667	-4.384
2: 1450.3333	-4.635	2: 1450.3333	-7.361
3: 1495.0667	-4.685	3: 1495.0667	-7.329
4: 1372.0000	-0.328	4: 1372.0000	-27.462
5: 1572.0000	-0.519	5: 1572.0000	-25.560