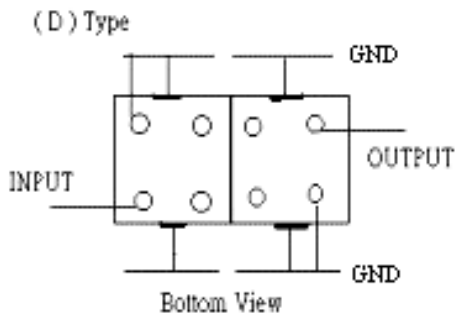
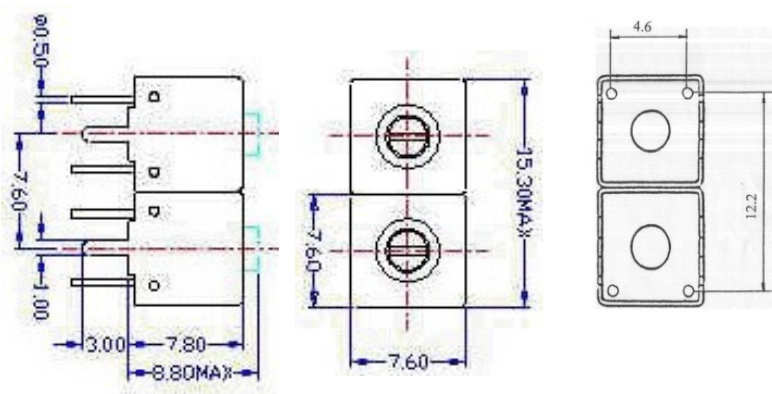


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2145D-780M
Approval No. /dated	20106016DC	Acceptable Specify Fo. Range	751~800MHz
Work Instruction No.	20106016DC	Date	2001.07.05

<p>(1) Pin Position</p>  <p style="text-align: center;">(D) Type Bottom View</p>	<p>(2) Size Diagram</p> 
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(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	780 MHz	780 MHz
Tunable Range	780±3 MHz	780±3 MHz
Insertion Loss	Typ. 2.0 dB	1.2 dB
-3 dB Bandwidth	Typ. 50 MHz	54 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 20 dBc
	Fo + 100 MHz	Typ. 13 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	19 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

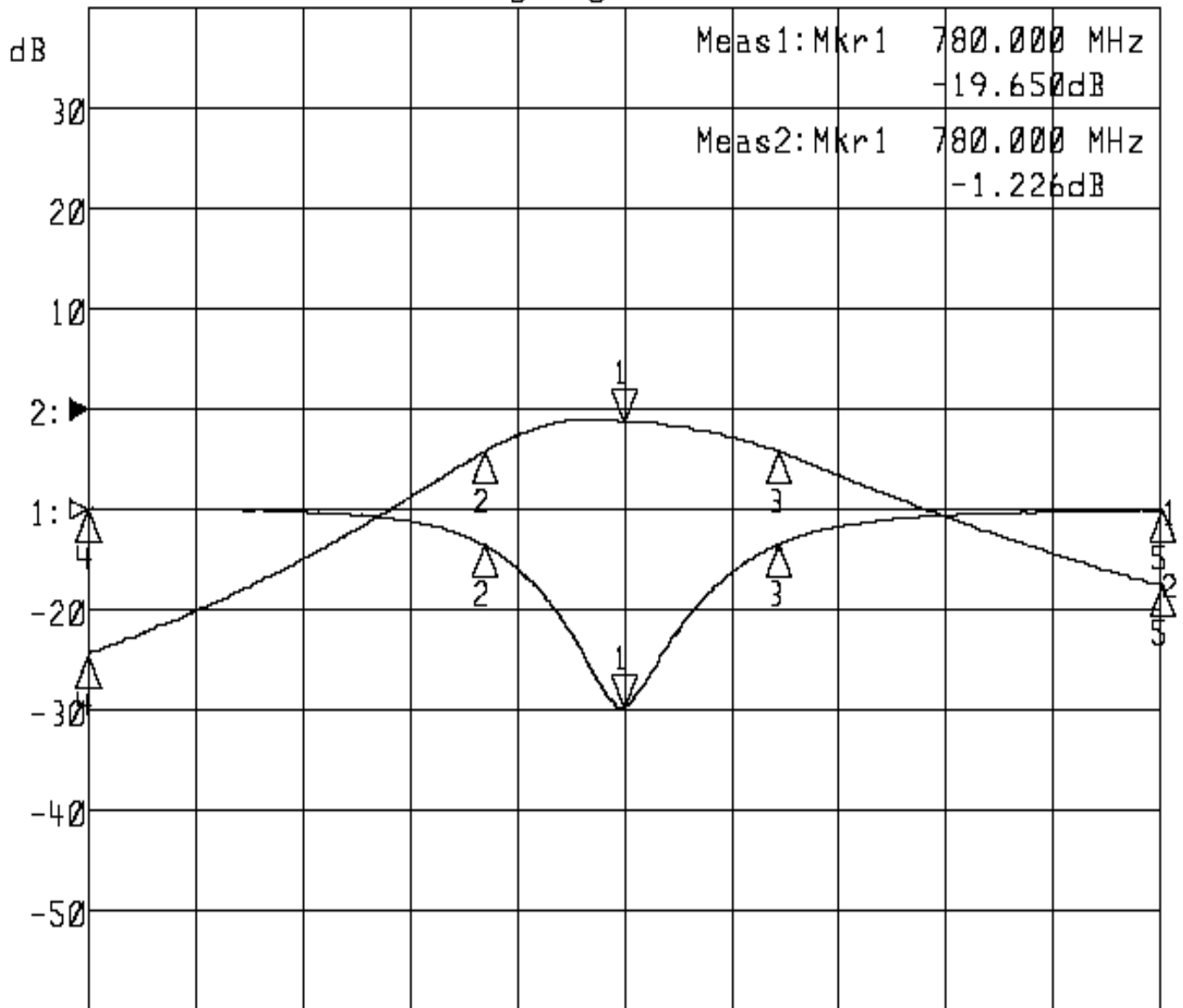
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*4.5) 7S046LB6

TEMWELL CORPORATION

Performance-TDS2145M-780M

20106016DC

▶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 780.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 780.0000	-19.650	1> 780.0000	-1.226
2: 754.0667	-3.600	2: 754.0667	-4.170
3: 808.7333	-3.493	3: 808.7333	-4.216
4: 680.0000	-0.029	4: 680.0000	-24.485
5: 880.0000	-0.069	5: 880.0000	-17.471