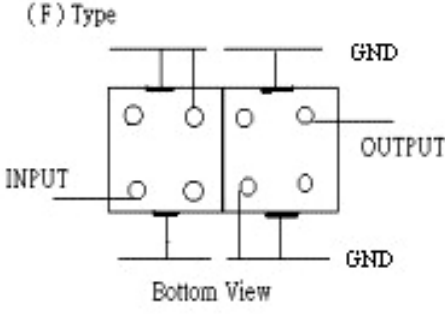
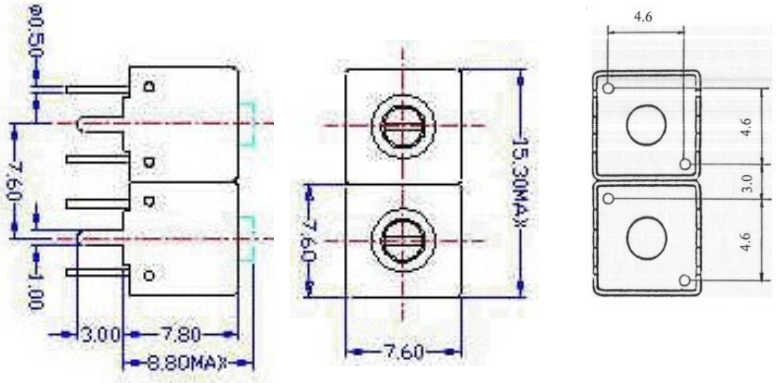


VHF UHF Helical Filter Specification Sheet

| | | | |
|----------------------|------------|------------------------------|---------------|
| Customer Name | | Temwell's Part No. | TDS2011F-230M |
| Approval No. /dated | 20102026DC | Acceptable Specify Fo. Range | 221~245MHz |
| Work Instruction No. | 20102026DC | Date | 2001.2.20 |

| | |
|---|--|
| (1)Pin Position | (2)Size Diagram |
|  <p>(F) Type Bottom View</p> |  |

(3)Electric Character

| Item | Specify | Performance | |
|-----------------------------|-----------------|-----------------|--------|
| Center Freq.(Fo) +/- 0.5 % | 230 MHz | 230 MHz | |
| Tunable Range | 230±4 MHz | 230±4 MHz | |
| Insertion Loss | Typ. 6.0 dB | 5.0 dB | |
| -3 dB Bandwidth | Typ. 5.0 MHz | 7.0 MHz | |
| Sensitivity (Attenuation) | Fo - 50 MHz | Typ. 39 dBc | 42 dBc |
| | Fo + 50 MHz | Typ. 32 dBc | 35 dBc |
| | Fo - ()MHz | Typ. dBc | dBc |
| | Fo +()MHz | Typ. dBc | dBc |
| Return Loss | Min. 12 dB | 31 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

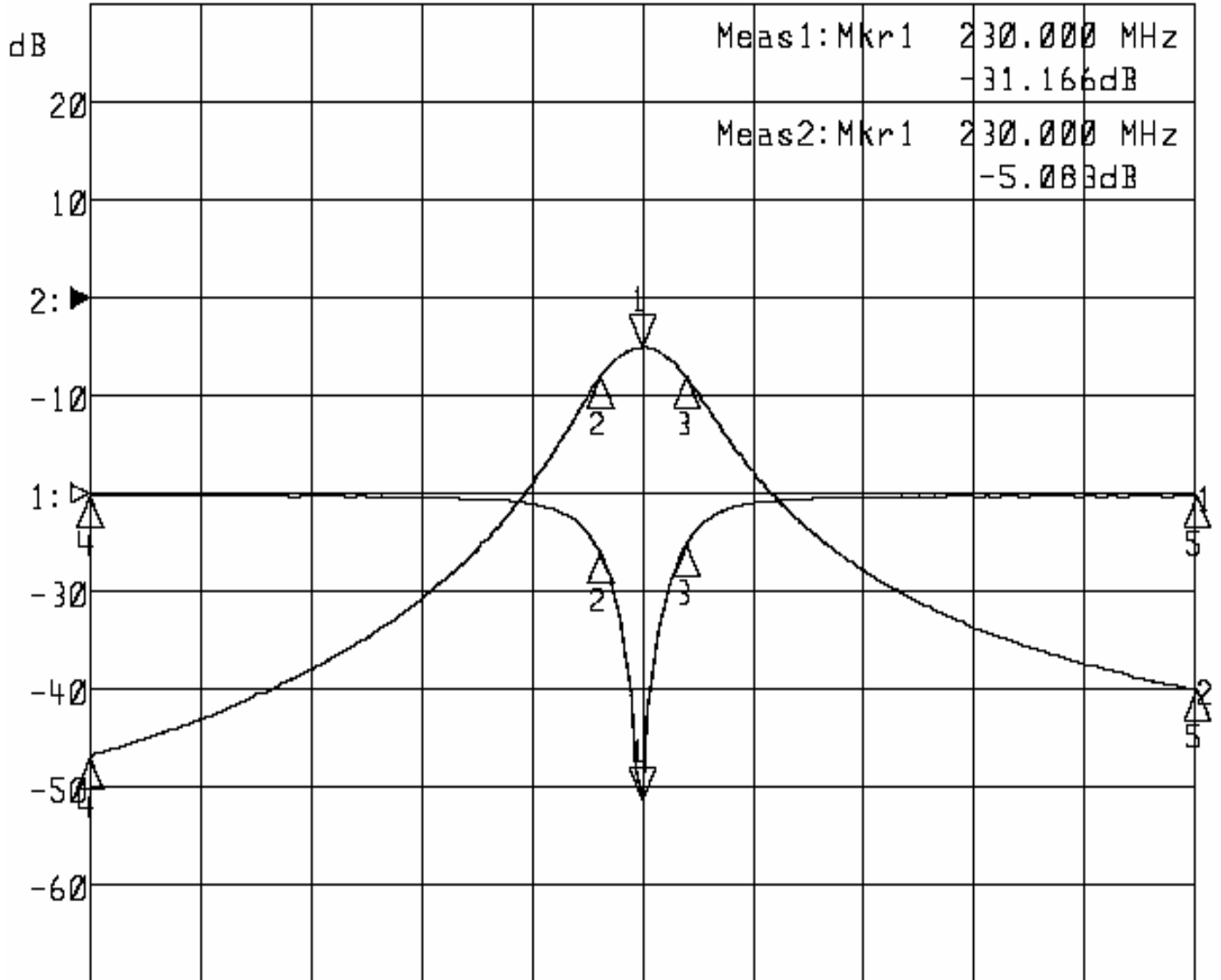
| | | | |
|-----------|------------|-----------|--------------------------|
| Approval | Supervisor | Designer | Aperture size |
| C.Y.Chang | C.S.Chang | C.S.Chang | 7S2S(4*3.5) 7S00LB5.5 |

TEMWELL CORPORATION

Performance- TDS2011F-230M

20102026DC

▶1: S22 Refl Port2 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 230.000 MHz

Span 100.000 MHz

| 1: Mkr (MHz) | dB | 2: Mkr (MHz) | dB |
|--------------|---------|--------------|---------|
| 1> 230.0000 | -31.166 | 1> 230.0000 | -5.083 |
| 2: 226.2000 | -6.087 | 2: 226.2000 | -8.054 |
| 3: 234.0000 | -5.208 | 3: 234.0000 | -8.041 |
| 4: 180.0000 | -0.155 | 4: 180.0000 | -47.034 |
| 5: 280.0000 | -0.333 | 5: 280.0000 | -40.124 |