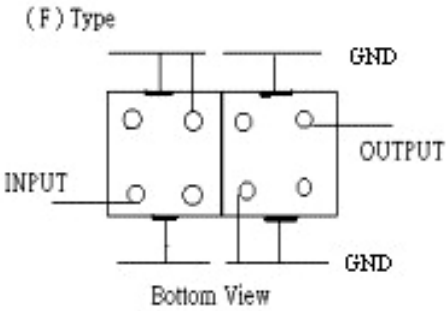
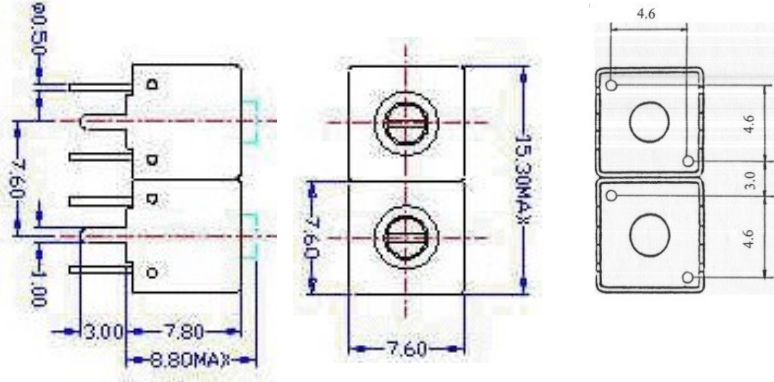


VHF UHF Helical Filter Specification Sheet

| | | | |
|----------------------|------------|------------------------------|---------------|
| Customer Name | | Temwell's Part No. | TDS2001F-200M |
| Approval No. /dated | 20102073DC | Acceptable Specify Fo. Range | 196~200MHz |
| Work Instruction No. | 20102073DC | Date | 2001.05.14 |

| | |
|--|--|
| <p>(1) Pin Position</p>  <p style="text-align: center;">Bottom View</p> | <p>(2) Size Diagram</p>  |
|--|--|

| | | | |
|------------------------------|-------------|-----------------|------------------------|
| (3) Electric Character | | | |
| Item | | Specify | Performance |
| Center Freq.(Fo) +/- 0.5 % | | 200 MHz | 200 MHz |
| Tunable Range | | 200±4 MHz | 200±4 MHz |
| Insertion Loss | | Typ. 5.5 dB | 4.7 dB |
| -3 dB Bandwidth | | Typ. 7.0 MHz | 8.0 MHz |
| Sensitivity (Attenuation) | Fo - 50 MHz | Typ. 52 dBc | 55 dBc |
| | Fo + 50 MHz | Typ. 33 dBc | 36 dBc |
| | Fo - ()MHz | Typ. dBc | dBc |
| | Fo +()MHz | Typ. dBc | dBc |
| Return Loss | | Min. 12 dB | 29.1 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) 7S00LB6 |

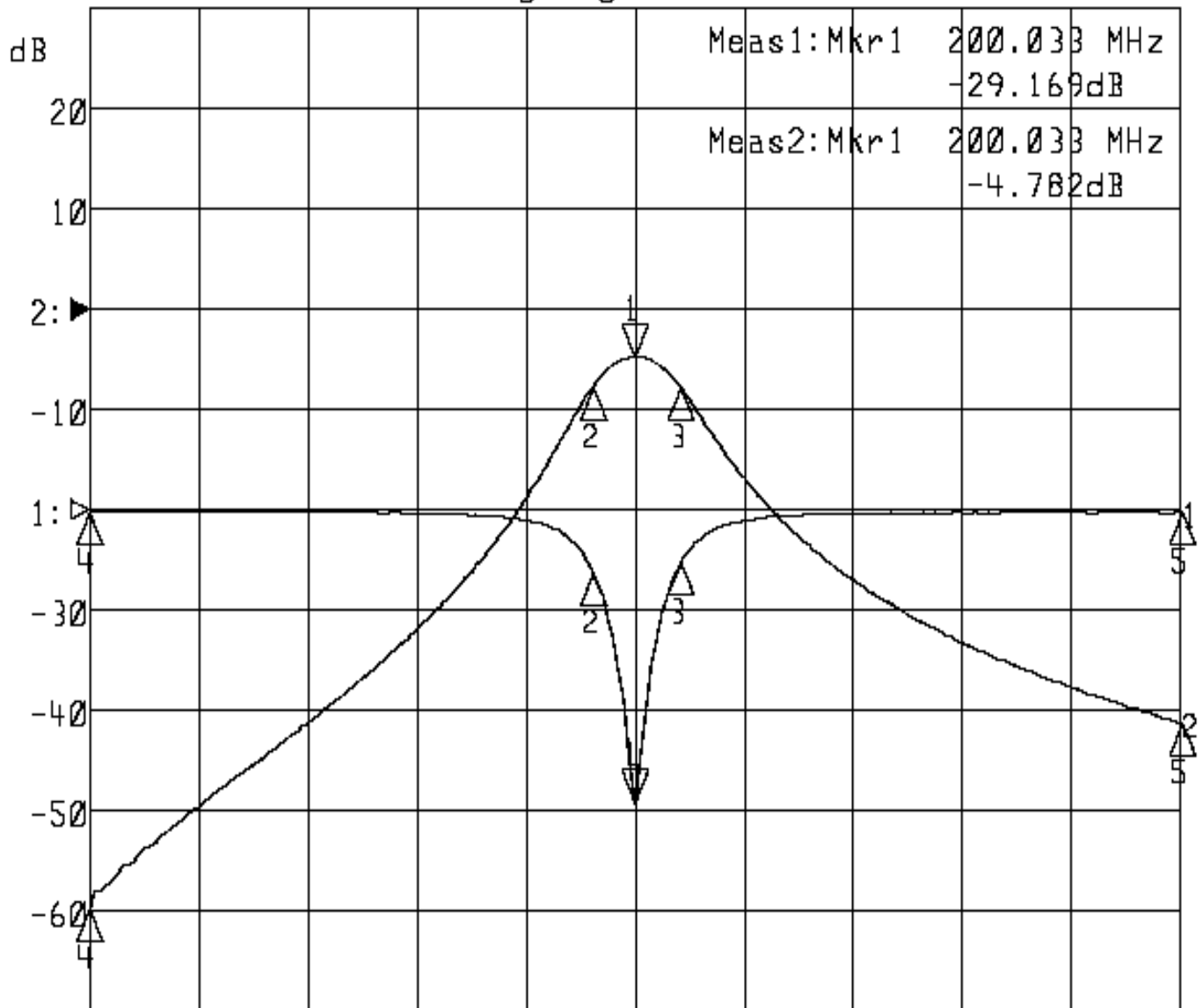
TEMWELL CORPORATION

Performance-TDS2001F-200M

20102073DC

▶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 200.000 MHz

Span 100.000 MHz

| 1:Mkr (MHz) | dB | 2:Mkr (MHz) | dB |
|-------------|---------|-------------|---------|
| 1> 200.0333 | -29.169 | 1> 200.0333 | -4.782 |
| 2: 196.1333 | -6.126 | 2: 196.1333 | -7.730 |
| 3: 204.2000 | -5.350 | 3: 204.2000 | -7.747 |
| 4: 150.0000 | -0.163 | 4: 150.0000 | -59.863 |
| 5: 250.0000 | -0.259 | 5: 250.0000 | -41.325 |