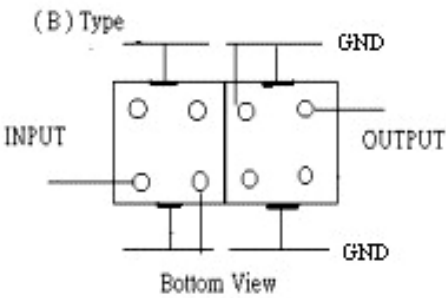
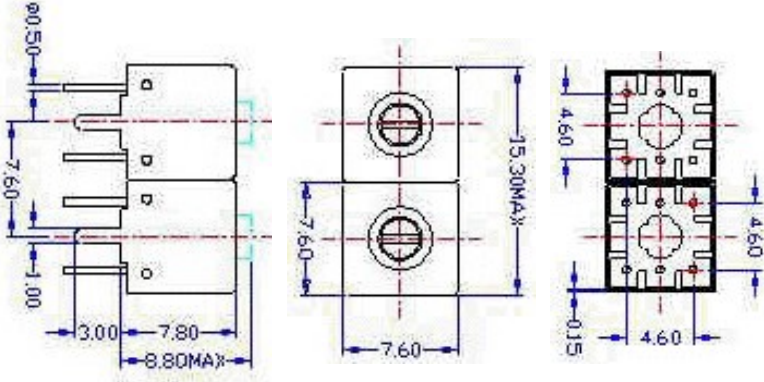


VHF UHF Helical Filter Specification Sheet

| | | | |
|----------------------|------------|------------------------------|---------------|
| Customer Name | | Temwell's Part No. | TDS2082B-535M |
| Approval No. /dated | 20103080DC | Acceptable Specify Fo. Range | 516~555MHz |
| Work Instruction No. | 20103080DC | Date | 2001.4.17 |

| | |
|--|--|
| <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 % | 535 MHz | 535 MHz | |
| Tunable Range | 535±3 MHz | 535±3 MHz | |
| Insertion Loss | Typ. 4.0 dB | 3.1 dB | |
| -3 dB Bandwidth | Typ. 37 MHz | 40 MHz | |
| Sensitivity (Attenuation) | Fo - 50 MHz | Typ. 26 dBc | 29 dBc |
| | Fo + 50 MHz | Typ. 19 dBc | 22 dBc |
| | Fo - ()MHz | Typ. dBc | dBc |
| | Fo +()MHz | Typ. dBc | dBc |
| Return Loss | Min. 12 dB | 22.3 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) 7S024RB5.5 |

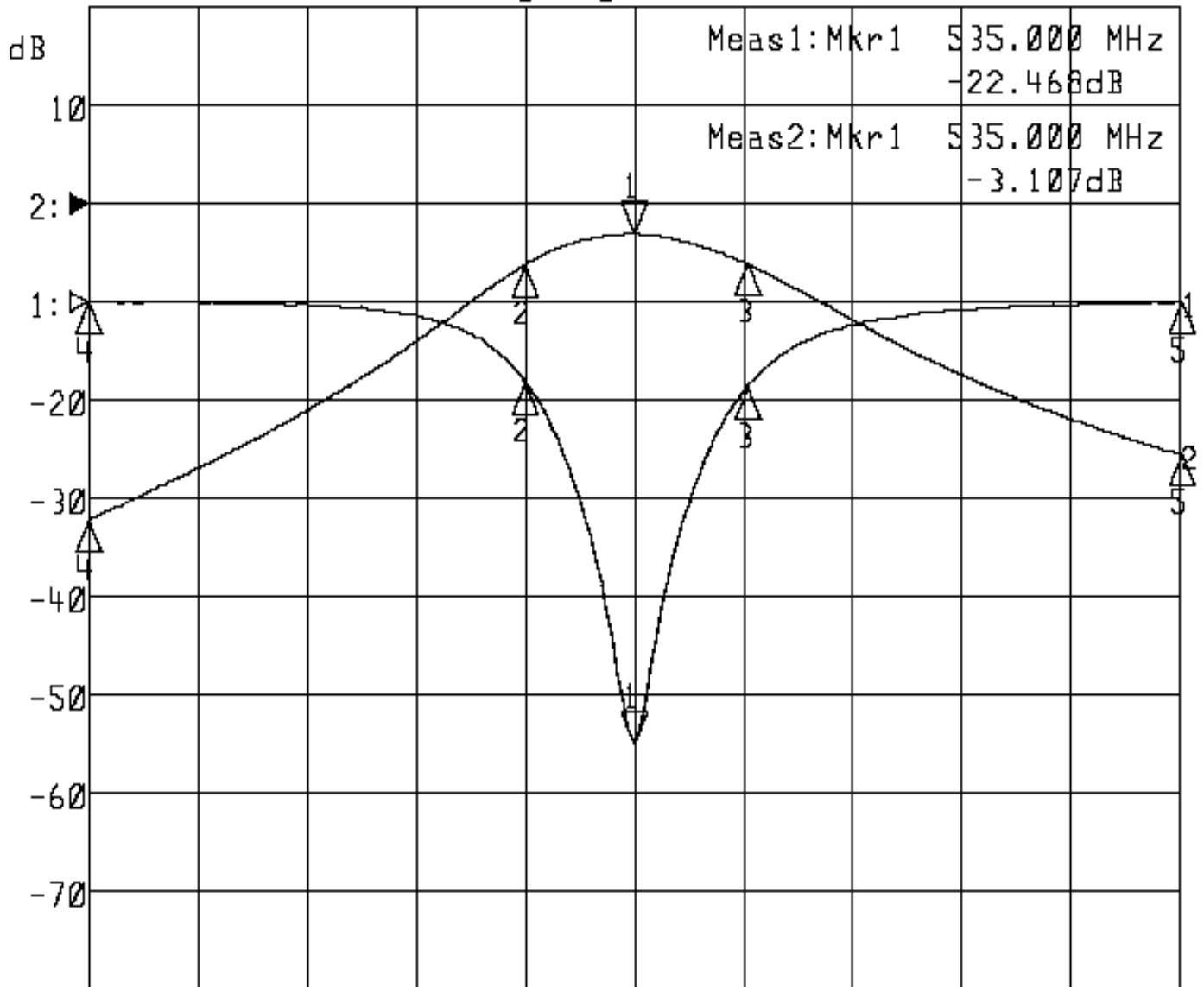
TEMWELL CORPORATION

Performance-TDS2082B-535M

20103080DC

▷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



| 1: Mkr (MHz) | dB | 2: Mkr (MHz) | dB |
|--------------|---------|--------------|---------|
| 1> 535.0000 | -22.468 | 1> 535.0000 | -3.107 |
| 2: 515.1333 | -4.095 | 2: 515.1333 | -6.159 |
| 3: 555.6000 | -4.352 | 3: 555.6000 | -6.072 |
| 4: 435.0000 | 0.008 | 4: 435.0000 | -32.211 |
| 5: 635.0000 | -0.021 | 5: 635.0000 | -25.510 |