

VHF UHF Helical Filter Specification Sheet

| | | | |
|----------------------|------------|------------------------------|--------------|
| Customer Name | | Temwell's Part No. | TT6836B-290M |
| Approval No. /dated | 20011010DC | Acceptable Specify Fo. Range | 276~310MHz |
| Work Instruction No. | 20011010DC | Date | Nov.13.2000 |

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

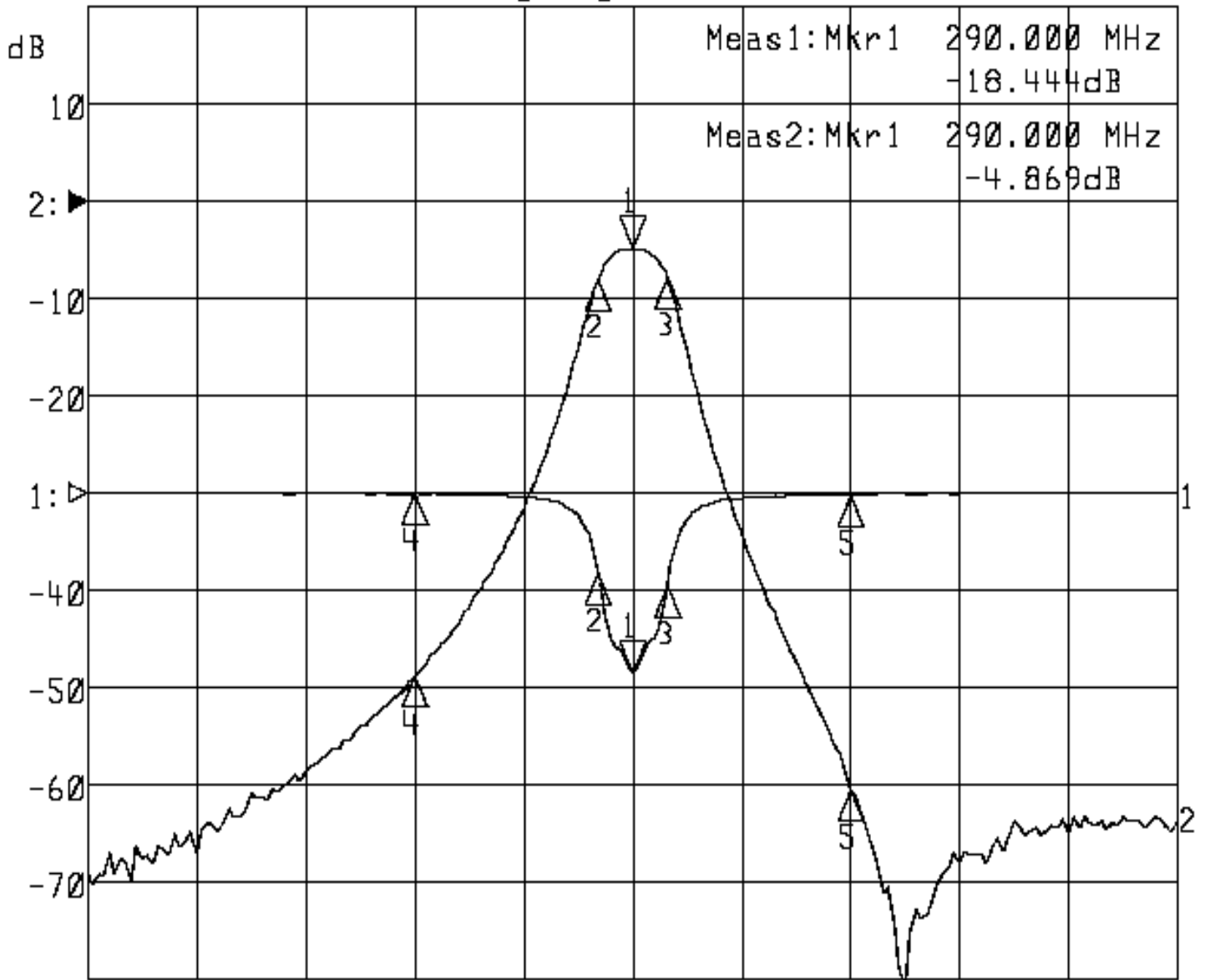
| | | | |
|------------------------------|-------------|-----------------|------------------------|
| (3) Electric Character | | | |
| Item | | Specify | Performance |
| Center Freq.(Fo) +/- 0.75 % | | 290 MHz | 290 MHz |
| Tunable Range | | 290±4 MHz | 290±4 MHz |
| Insertion Loss | | Typ. 6.0 dB | 4.86 dB |
| -3 dB Bandwidth | | Typ. 3 MHz | 6 MHz |
| Sensitivity (Attenuation) | Fo - 20 MHz | Typ. 41 dBc | 44 dBc |
| | Fo + 20 MHz | Typ. 53 dBc | 56 dBc |
| | Fo - ()MHz | Typ. dBc | dBc |
| | Fo +()MHz | Typ. dBc | dBc |
| Return Loss | | Min. 12 dB | 18 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 | | -30°C ~ +70°C | |
| Storage Temperature | | -30°C ~ +80°C | |
| (6) Input Power | | > 1Watt | |
| Approval | Supervisor | Designer | Aperture size |
| C.Y.Chang | C.S.Chang | C.S.Chang | 7H3S 4*7.5 7H024LB4 |

TEMWELL CORPORATION

Performance-TT6836B-290M

20011010DC

▶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 290.000 MHz

Span 100.000 MHz

| 1:Mkr (MHz) | dB | 2:Mkr (MHz) | dB |
|-------------|---------|-------------|---------|
| 1> 290.0000 | -18.444 | 1> 290.0000 | -4.869 |
| 2: 286.8667 | -8.225 | 2: 286.8667 | -7.904 |
| 3: 293.1667 | -9.482 | 3: 293.1667 | -7.776 |
| 4: 270.0000 | -0.079 | 4: 270.0000 | -48.782 |
| 5: 310.0000 | -0.150 | 5: 310.0000 | -60.624 |