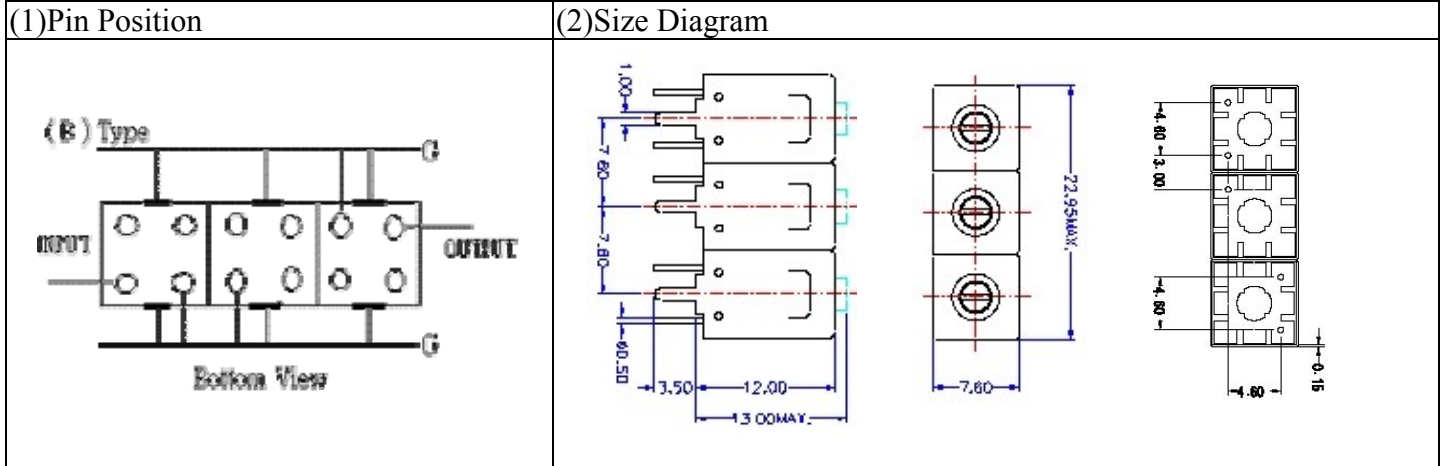


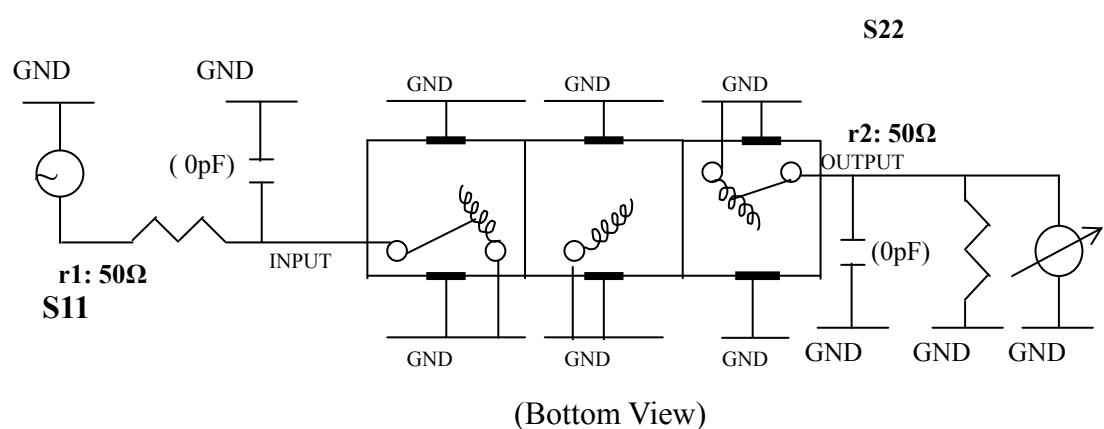
VHF UHF Helical Filter Specification Sheet

| | | | |
|----------------------|-------------|-----------------------|---------------|
| Customer Name | | Temwell's Part No. | TT63324B-110M |
| Approval No. /dated | 0812102CD | Temwell's Print name. | 108-125M |
| Work Instruction No. | 200812102CD | Date | Dec.25.2008 |



| (3) Electric Characteristic | | | |
|------------------------------|-----------------|-----------------|--------|
| Item | Specify | Performance | |
| Center Freq.(Fo) +/- 0.5 % | 110 MHz | 110 MHz | |
| Tunable Range: | 110±2 MHz | 110±2 MHz | |
| Insertion Loss | Typ. 4.0 dB | 3.02 dB | |
| -3 dB Bandwidth | Typ. 5 MHz | 6.8 MHz | |
| Sensitivity (Attenuation) | Fo - (20) MHz | Typ. 37 dBc | 40 dBc |
| | Fo + (20) MHz | Typ. 53 dBc | 56 dBc |
| | Fo - () MHz | Typ. dBc | dBc |
| | Fo + () MHz | Typ. dBc | dBc |
| Return Loss | Min. 12 dB | 27.05 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 | | | |
| > 1 Watt | | | |

(7) Measuring Circuit: ※Easy to match Impedance S11/S22 50Ω by parallel with about(0pF) / (0pF).



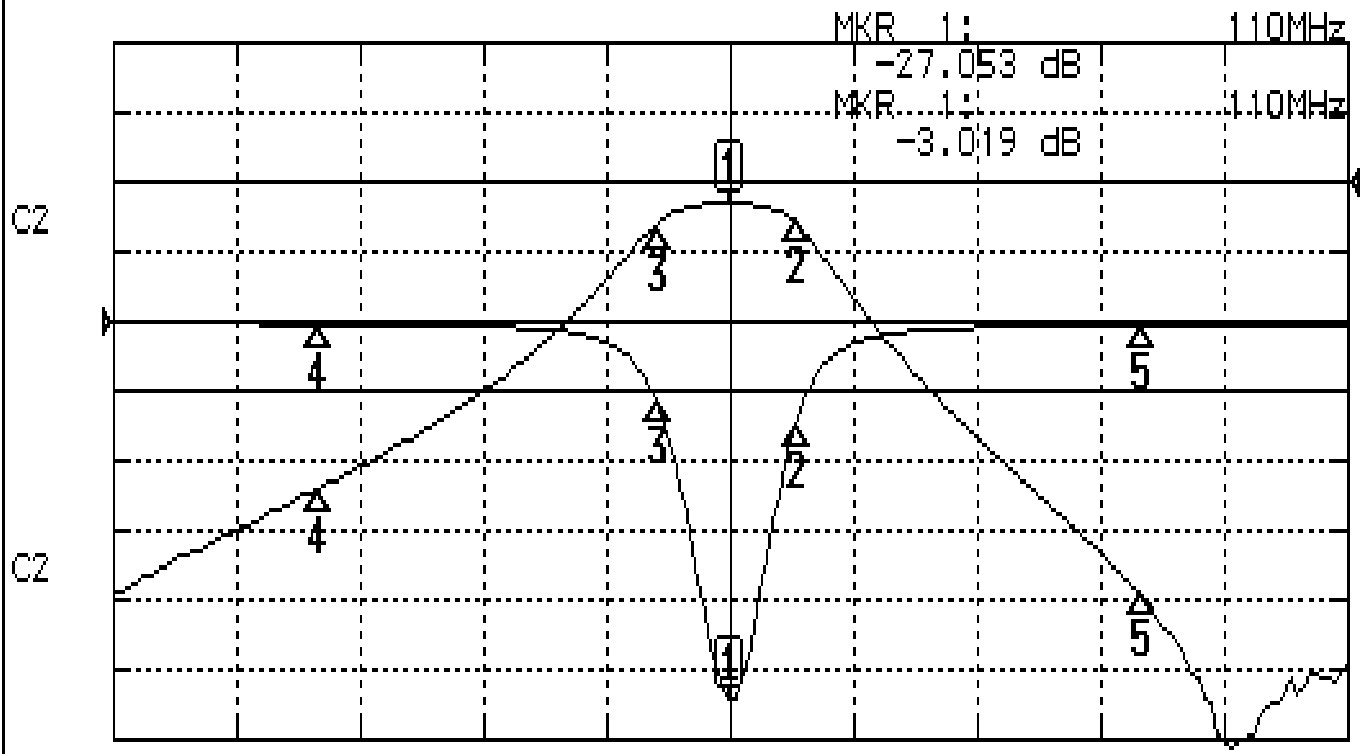
| | | | |
|-----------------------|-------------------------|----------------------|---|
| Approval C.Y.Chang | Supervisor C.S.Chang | Designer W.W.Wang | Aperture size 7H3S(4*4.5)F(4.54) (7H024LB6.5) |
|-----------------------|-------------------------|----------------------|---|

TEMWELL CORPORATION

Performance-TT63324B-110M

200812102CD

CH1 S11 LOG MAG REF 0.000 dB 5.000 dB/
CH2 S21 LOG MAG REF 0.000 dB 10.000 dB/



CENTER 110MHz

[10.00 dBm]

SPAN 60MHz

CH1 MARKER LIST

| | | | |
|---|------------|---------|----|
| 1 | 110.000MHz | -27.053 | dB |
| 2 | 113.250MHz | -7.206 | dB |
| 3 | 106.450MHz | -5.770 | dB |
| 4 | 90.000MHz | -0.165 | dB |
| 5 | 130.000MHz | -0.218 | dB |

CH2 MARKER LIST

| | | | |
|---|------------|--------|----|
| 1 | 110.000MHz | -3.020 | dB |
| 2 | 113.250MHz | -0.037 | dB |
| 3 | 106.450MHz | -0.091 | dB |
| 4 | 90.000MHz | -0.991 | dB |
| 5 | 130.000MHz | -0.594 | dB |