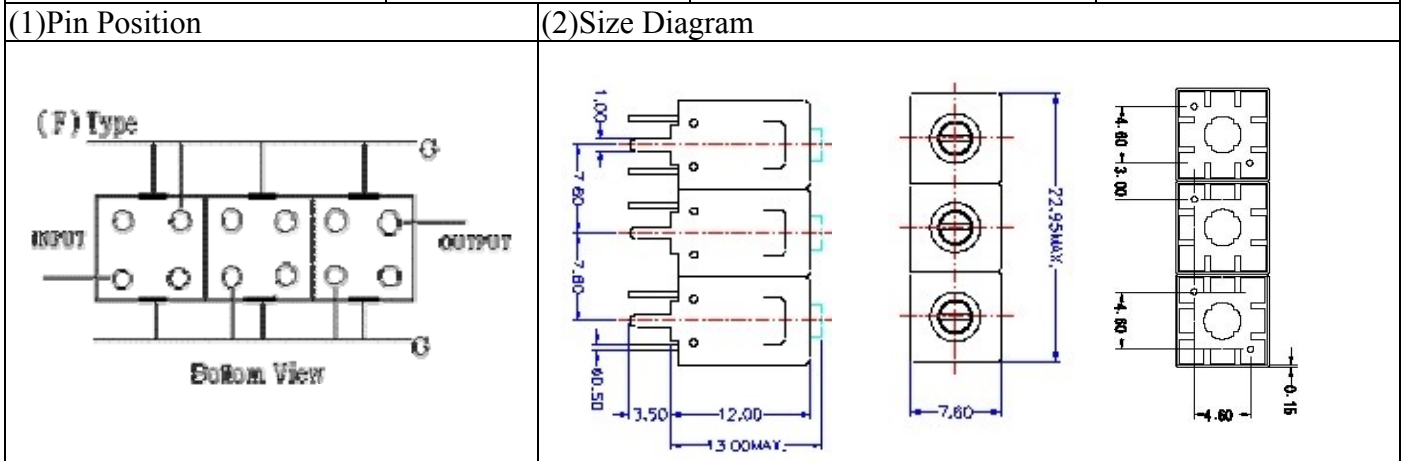


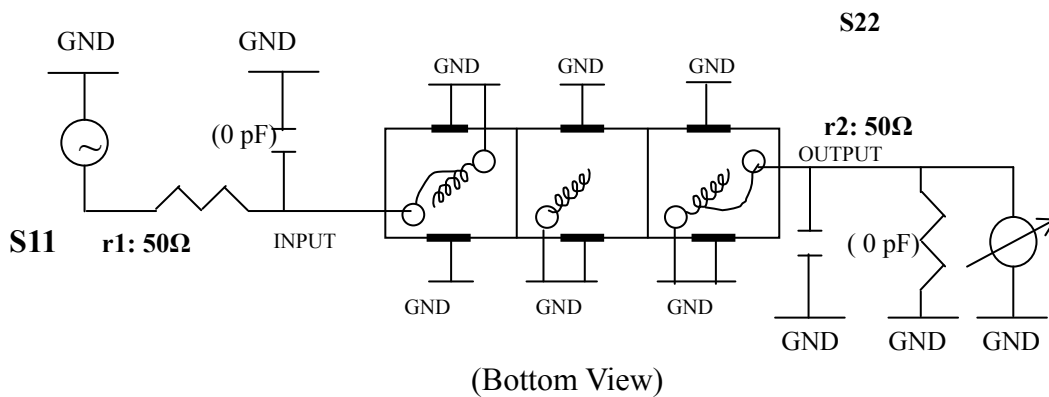
VHF UHF Helical Filter Specification Sheet

| | | | |
|----------------------|------------|------------------------------|----------------|
| Customer Name | | Temwell's Part No. | TTL63152F-435M |
| Approval No. /dated | 0701073APR | Acceptable Specify Fo Range. | 401~455MHz |
| Work Instruction No. | 0701073DC | Date | Feb.05.2007 |



| Item | | Specify | Performance |
|------------------------------|-------------|-----------------|-----------------|
| Center Freq.(Fo) +/- 0.5 % | | 435 MHz | 435 MHz |
| Tunable Range: | | 435±5 MHz | 435±5 MHz |
| Insertion Loss | | Typ. 4.0 dB | 3.41 dB |
| -3 dB Bandwidth | | Typ. 8 MHz | 10.5 MHz |
| Sensitivity (Attenuation) | Fo - 15 MHz | Typ. 30 dB | 33 dB |
| | Fo + 15 MHz | Typ. 21 dB | 24 dB |
| | Fo - ()MHz | Typ. dB | dB |
| | Fo +()MHz | Typ. dB | dB |
| Return Loss | | Min. 12 dB | 17.2 dB |
| Ripple | | < 1 dB | dB |
| Impedance | | In / Out : 75 Ω | In / Out : 75 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 | |

(7) Measuring Circuit: ※Easy to match Impedance S11/S22 75Ω by parallel with about(0 pF) / (0 pF).



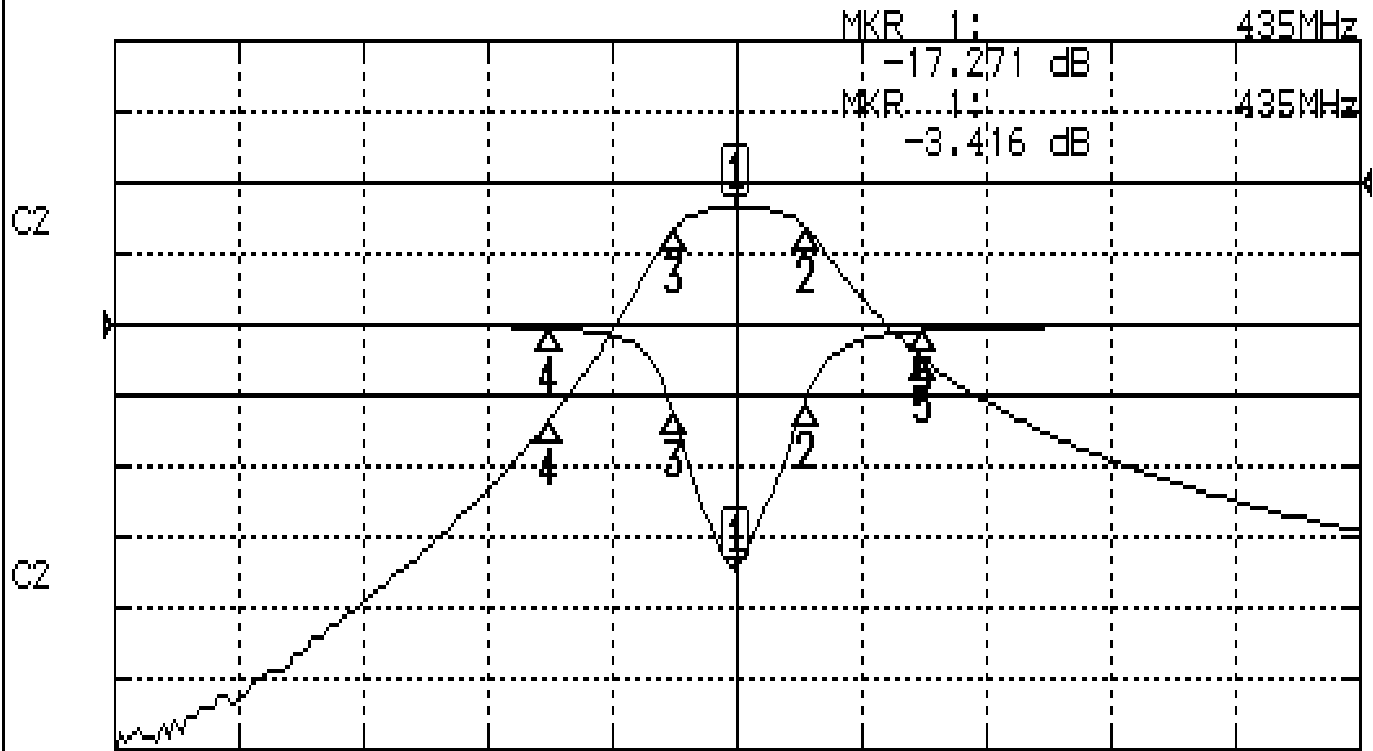
| | | | |
|-----------|------------|------------|------------------------------|
| Approval | Supervisor | Designer | Aperture size |
| C.Y.Chang | C.S.Chang | P.H.Chiang | 7H3S(4*5.5)F 7H046LB4 聚 3 |

TEMWELL CORPORATION

Performance-TTL63152F-435M

0701073DC

CH1 S11 LOG MAG REF 0.000 dB 5.000 dB/
CH2 S12 LOG MAG REF 0.000 dB 10.000 dB/



CENTER 435MHz

[10.00 dBm]

SPAN 100MHz

CH1 MARKER LIST

| | | | |
|-----|------------|---------|----|
| 1: | 435.000MHz | -17.271 | dB |
| 2: | 440.500MHz | -5.458 | dB |
| 3: | 430.000MHz | -6.230 | dB |
| 4: | 420.000MHz | -0.247 | dB |
| 5: | 450.000MHz | -0.431 | dB |
| 6: | | | |
| 7: | | | |
| 8: | | | |
| 9: | | | |
| 10: | | | |

CH2 MARKER LIST

| | | | |
|-----|------------|---------|----|
| 1: | 435.000MHz | -3.416 | dB |
| 2: | 440.500MHz | -6.345 | dB |
| 3: | 430.000MHz | -6.491 | dB |
| 4: | 420.000MHz | -33.566 | dB |
| 5: | 450.000MHz | -24.799 | dB |
| 6: | | | |
| 7: | | | |
| 8: | | | |
| 9: | | | |
| 10: | | | |