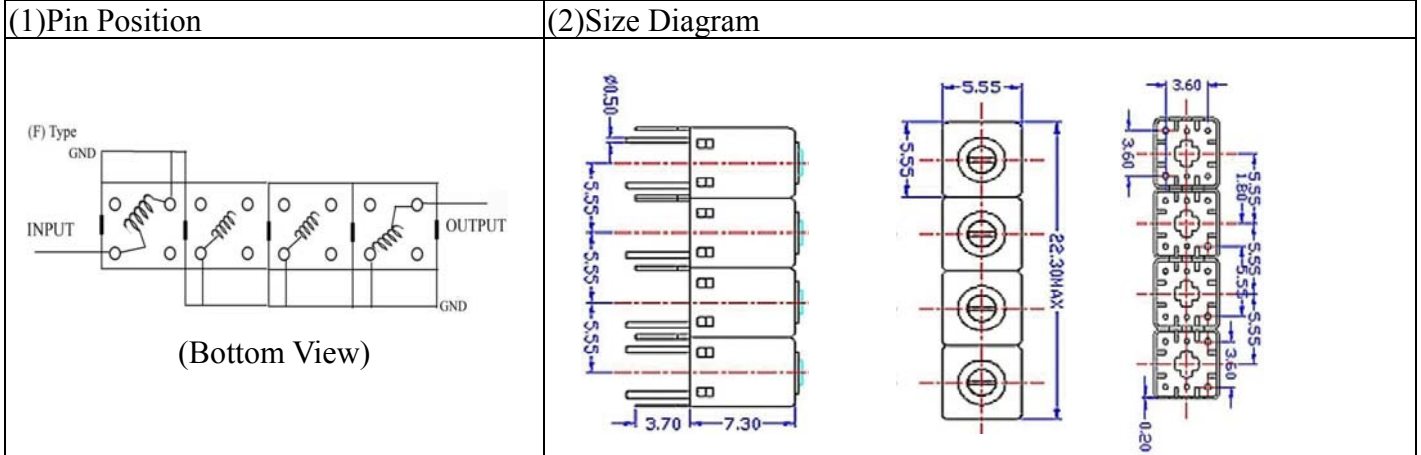


VHF UHF Helical Filter Specification Sheet

| | | | |
|----------------------|-------------|-----------------------|---------------|
| Customer Name | | Temwell's Part No. | K4RF-655M-18M |
| Approval No. /dated | 0904190CD | Temwell's Print Name. | K4RF 655M |
| Work Instruction No. | 200904190CD | Date | May.12.2009 |



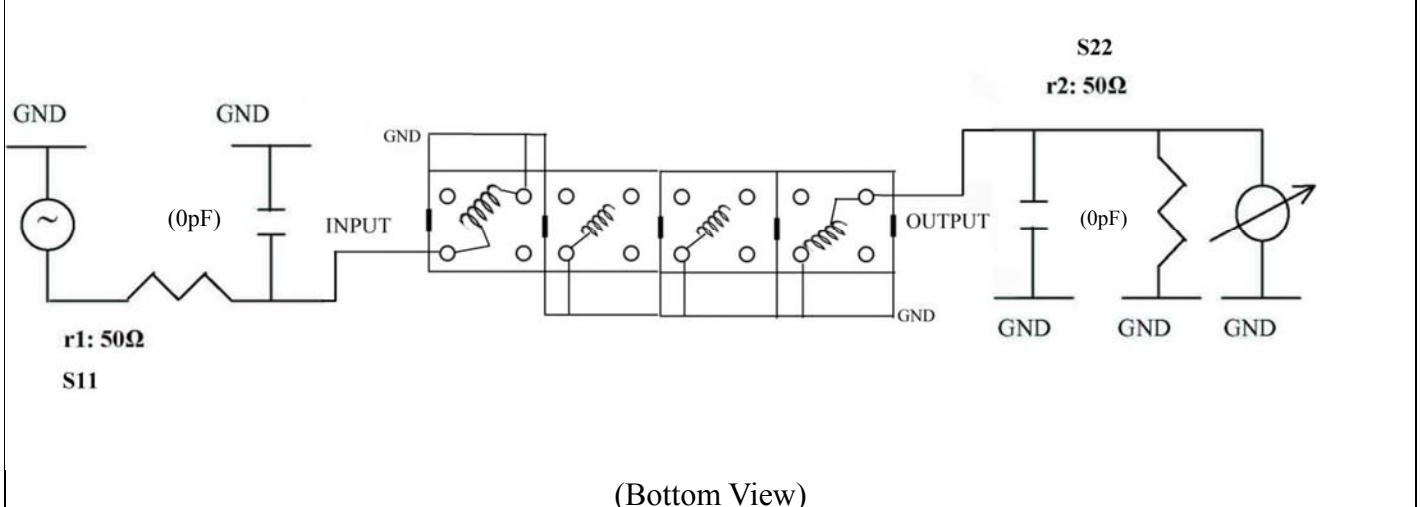
| | | | | | |
|------------------------------|-------------|-----------------|--|-----------------|--|
| (3) Electric Chararistic | | | | | |
| Item | | Specify | | Performance | |
| Center Freq.(Fo) +/- 0.5 % | | 655 MHz | | 655 MHz | |
| Insertion Loss | | Typ. 4.5 dB | | 3.94 dB | |
| -3 dB Bandwidth | | Typ. 18 MHz | | 21.6 MHz | |
| Sensitivity (Attenuation) | Fo - 50 MHz | Typ. 50 dBc | | 53 dBc | |
| | Fo + 50 MHz | Typ. 44 dBc | | 47 dBc | |
| | Fo - ()MHz | Typ. dBc | | dBc | |
| | Fo + ()MHz | Typ. dBc | | dBc | |
| Return Loss | | Min. 12 dB | | 25.4 dB | |
| Ripple | | < 1 dB | | dB | |
| Impedance | | In / Out : 50 Ω | | In / Out : 50 Ω | |

(4) Torque for Tuning Screw > 60gf • cm

| | |
|----------------------------|---------------|
| (5) Temperature Condition: | |
| Operating Temperature | 0°C ~ +60°C |
| Storage Temperature | -20°C ~ +70°C |

(6) Input Power > 0.5Watt

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

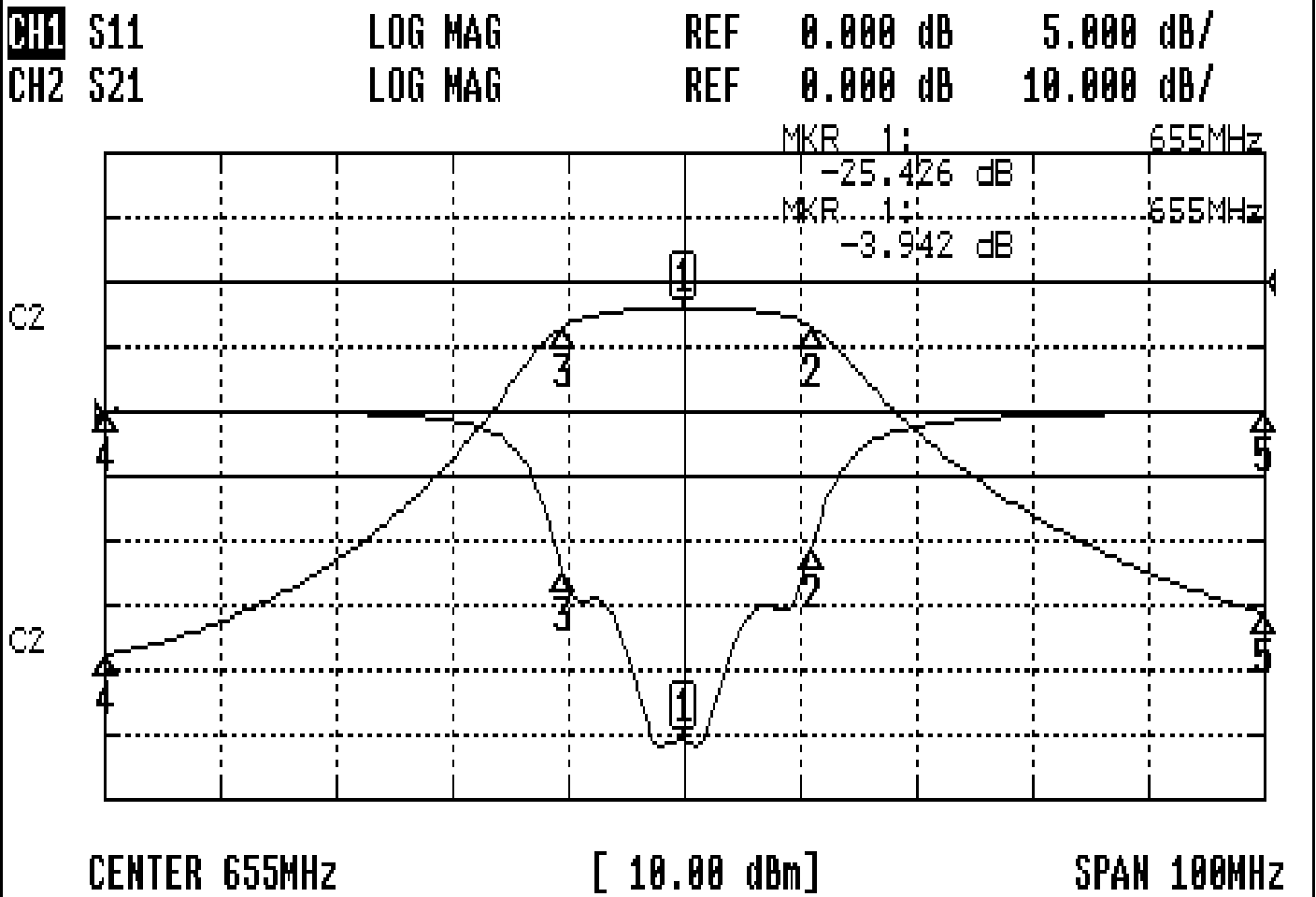


| | | | |
|-----------|------------|----------|----------------------------------|
| Approval | Supervisor | Designer | Aperture size |
| C.Y.Chang | C.K.Chang | Y.H.Yeh | 5R4S(3.8*3.7)(3.73) 5HW024LB3 |

TEMWELL CORPORATION

Performance-K4RF-655M-18M

200904190CD



CH1 MARKER LIST

| | | | |
|-----|------------|---------|----|
| 1: | 655.000MHz | -25.426 | dB |
| 2: | 666.070MHz | -10.300 | dB |
| 3: | 644.460MHz | -12.122 | dB |
| 4: | 605.000MHz | 0.140 | dB |
| 5: | 705.000MHz | 0.041 | dB |
| 6: | | | |
| 7: | | | |
| 8: | | | |
| 9: | | | |
| 10: | | | |

CH2 MARKER LIST

| | | | |
|-----|------------|---------|----|
| 1: | 655.000MHz | -3.942 | dB |
| 2: | 666.070MHz | -6.952 | dB |
| 3: | 644.460MHz | -9.974 | dB |
| 4: | 605.000MHz | -11.668 | dB |
| 5: | 705.000MHz | -11.229 | dB |
| 6: | | | |
| 7: | | | |
| 8: | | | |
| 9: | | | |
| 10: | | | |