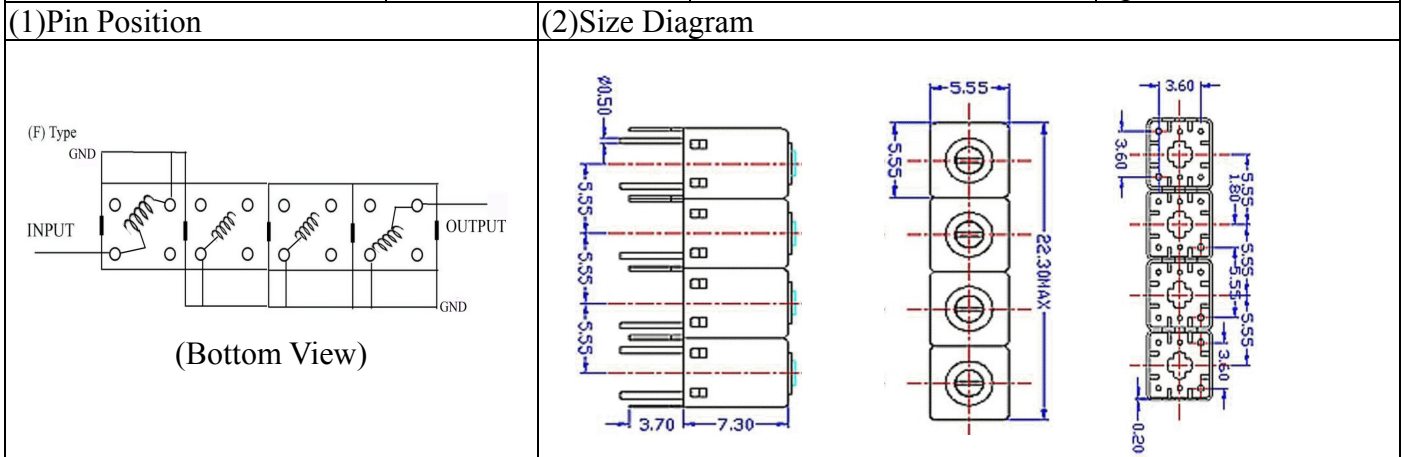


VHF UHF Helical Filter Specification Sheet

| | | | |
|----------------------|-------------|-----------------------|---------------|
| Customer Name | | Temwell's Part No. | K4RF-460M-18M |
| Approval No. /dated | 1002045CD | Temwell's Print Name. | K4RF 460M |
| Work Instruction No. | 201002045CD | Date | Apr.09.2010 |



(3) Electric Characteristic

| Item | Specify | Performance |
|------------------------------|-----------------|-----------------|
| Center Freq.(Fo) +/- 0.5 % | 460 MHz | 460 MHz |
| Insertion Loss | Typ. 4.0 dB | 3.47 dB |
| -3 dB Bandwidth | Typ. 18 MHz | 21.2 MHz |
| Sensitivity (Attenuation) | Fo - 50 MHz | Typ. 53 dBc |
| | Fo + 50 MHz | Typ. 48 dBc |
| | Fo - ()MHz | Typ. dBc |
| | Fo +()MHz | Typ. dBc |
| Return Loss | Min. 12 dB | 23.8 dB |
| Ripple | < 1 dB | dB |
| Impedance | In / Out : 50 Ω | In / Out : 50 Ω |

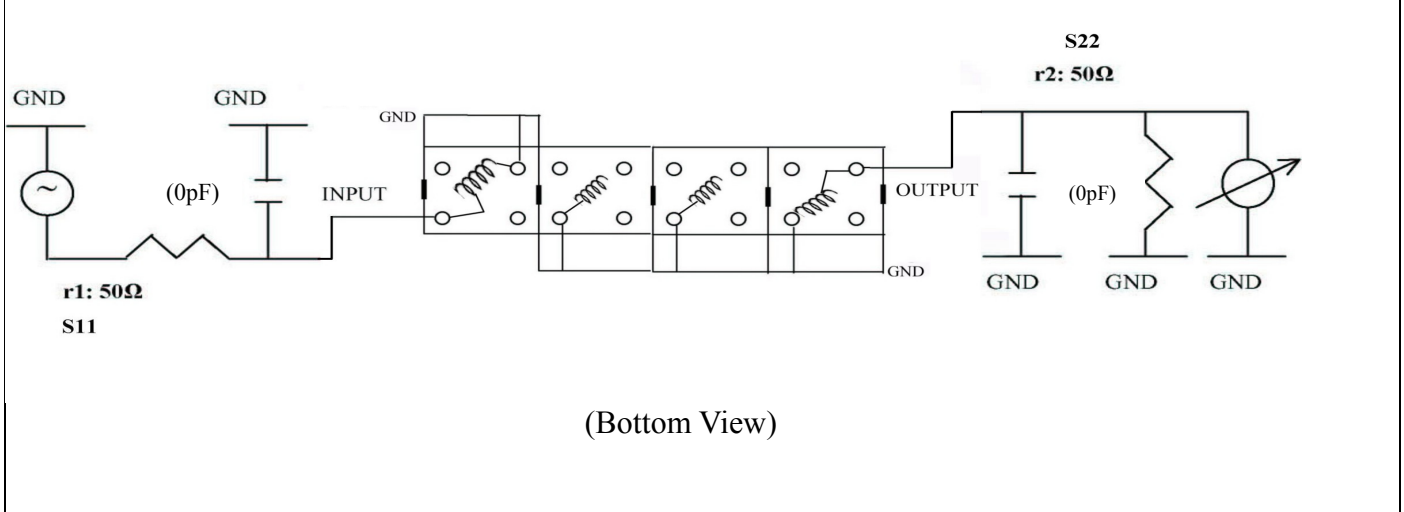
(4) Torque for Tuning Screw > 60gf • cm

(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).



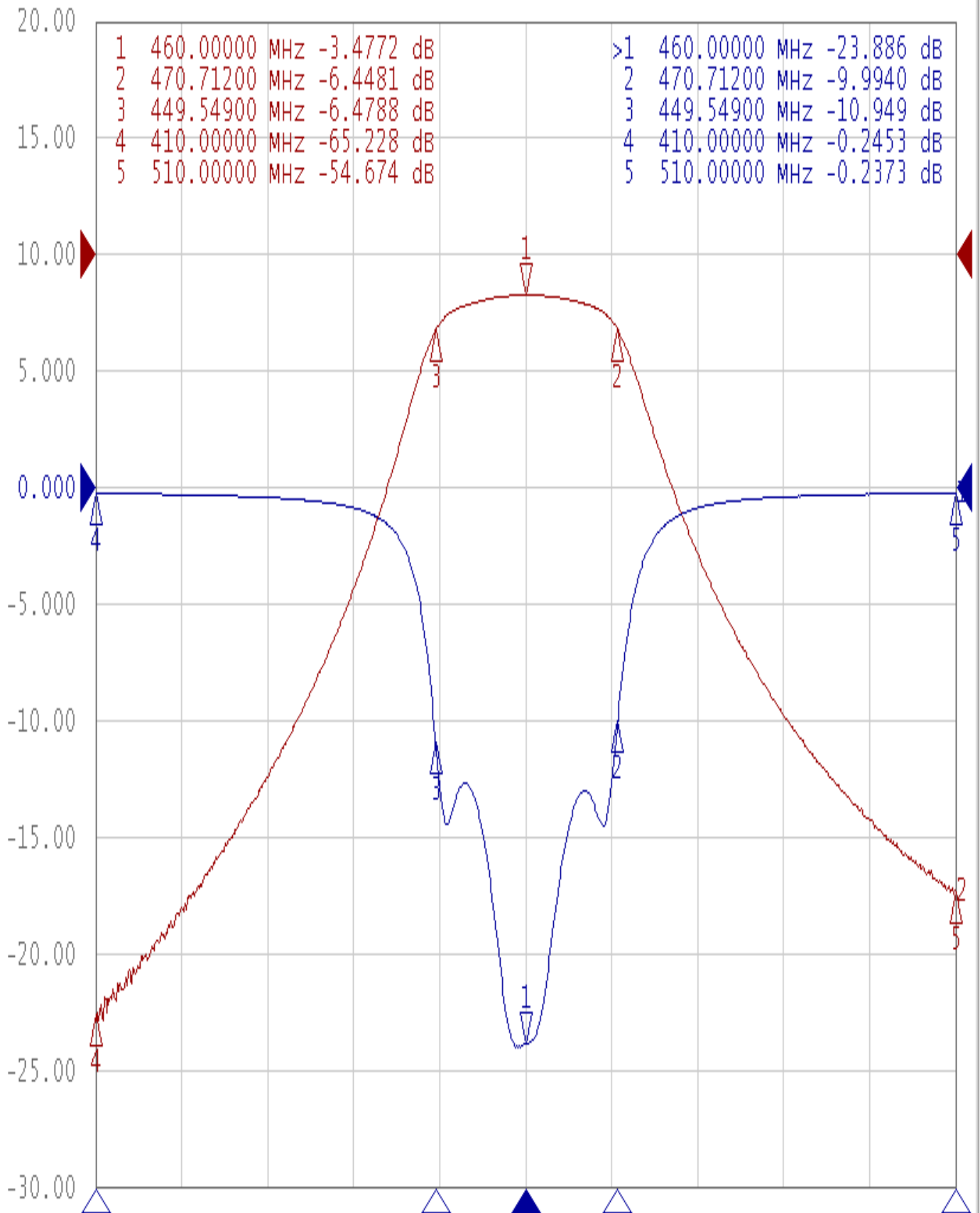
| | | | |
|-----------------------|-------------------------|-----------------------|--|
| Approval C.Y.Chang | Supervisor C.K.Chang | Designer C.S.Chang | Aperture size 5R4(3.8*4.2)(4.22) 5HW024RB3 |
|-----------------------|-------------------------|-----------------------|--|

TEMWELL CORPORATION

Performance-K4RF-460M-18M

201002045CD

▶ Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F2]
Tr2 S21 Log Mag 10.00dB/ Ref 0.000dB [F2]



1 Center 460 MHz

IFBW 10 kHz

Span 100 MHz Cor !