



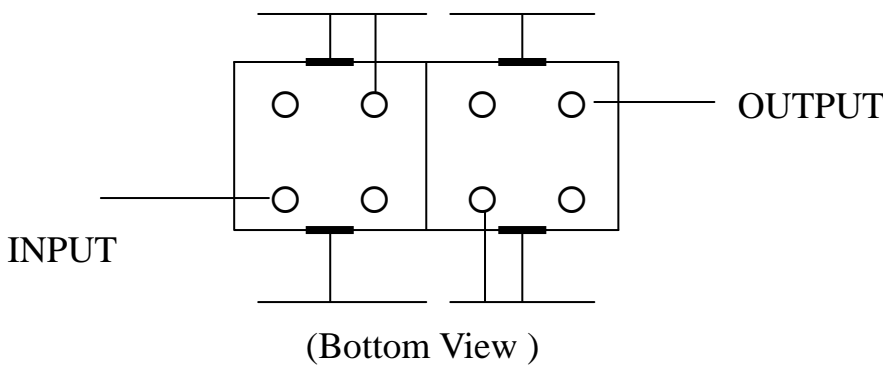
Custom Made UHF Filter & Duplexer

Helical Filter Specification Sheet

Issued Dated :

| | | | |
|---|------------|---|----------------|
| Customer Name | | Temwell's Part No. | TDWL2477F-614M |
| Approval No. /dated | 20204025DC | Customer's Part No. | |
| Work Instruction No. | 20204025DC | Date | 2002.04.08 |
| <input type="checkbox"/> Buyer Print name | | <input type="checkbox"/> Temwell,s print name | |
| Case Name | 5W2 | Case size : | |
| Terminator Type | F | | |

* Pin Position (Pin Connection) diagram as following
(F) Type



(3) Electric Character

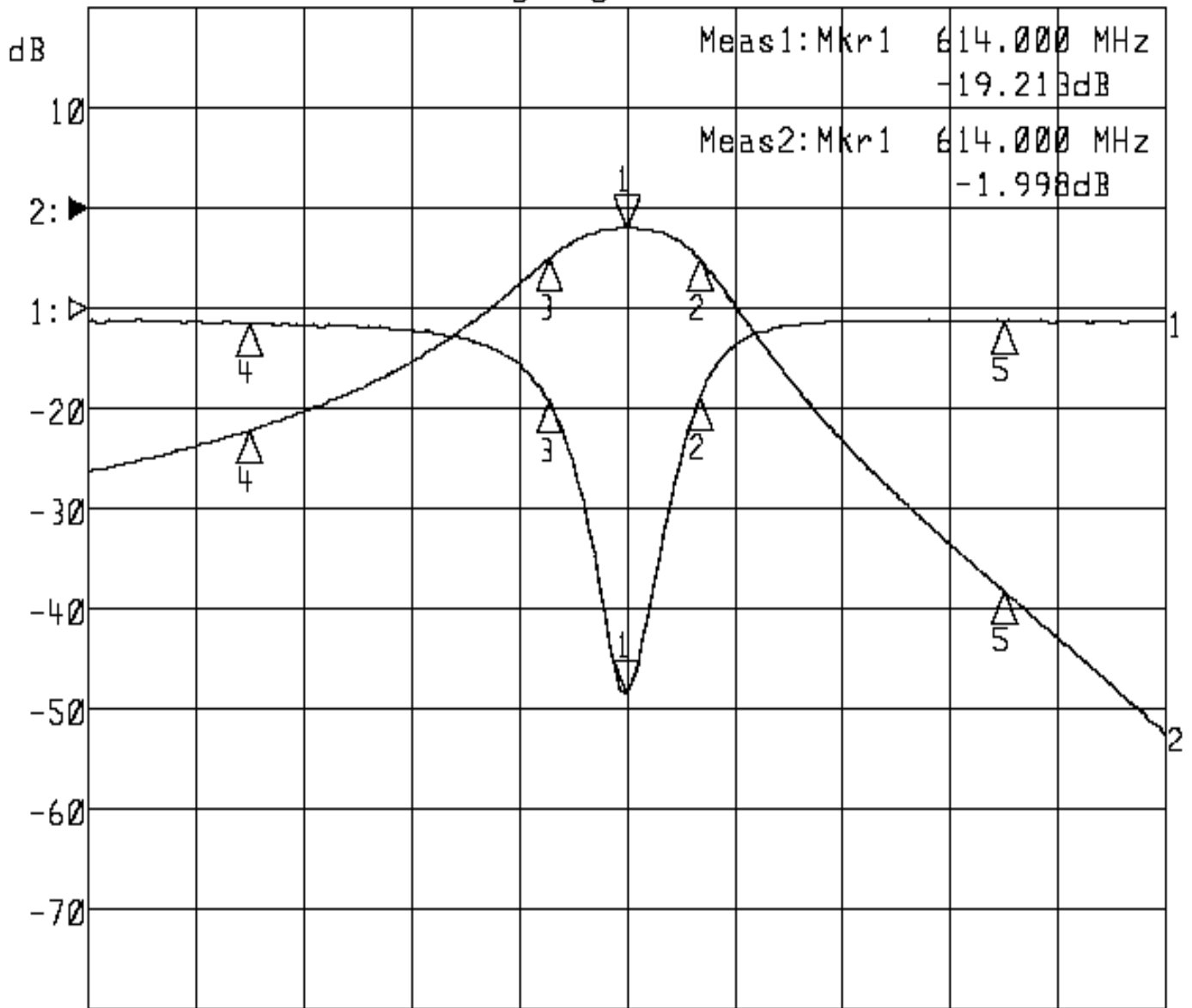
| Item | Specify | Performance |
|-------------------------------|-----------------|-----------------|
| Center Freq.(Fo) +/- 0.5 % | 614 MHz | 614 MHz |
| Insertion Loss | Typ. 3.0 dB | 2.0 dB |
| -3 dB Bandwidth | Typ. 25 MHz | 28 MHz |
| Sensitivity (Attenuation) | Fo - 70 MHz | Typ. 18 dBc |
| | Fo + 70 MHz | Typ. 34 dBc |
| | Fo - ()MHz | Typ. dBc |
| | Fo +()MHz | Typ. dBc |
| Return Loss | Min. 12 dB | 19 dB |
| Ripple | < 1 dB | dB |
| Group Delay | ns | ns |
| Impedance | In / Out : 75 Ω | In / Out : 75 Ω |

| | | | |
|---------------------|------------|------------|----------------------|
| Approval | Supervisor | Designer | Aperture size |
| C.Y.Chang | C.S.Chang | C.S.Chang | 3.8*3.7 5HW024RB3 |
| TEMWELL CORPORATION | | 駿凱電技股份有限公司 | |

Performance-TDWL2477F-614M

20204025DC

▶1:S11 Refl Port1 Log Mag 5.0 dB/ Ref 0.00 dB C
 ▶2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Center 614.000 MHz

Span 200.000 MHz

| 1:Mkr (MHz) | dB | 2:Mkr (MHz) | dB |
|-------------|---------|-------------|---------|
| 1> 614.0000 | -19.213 | 1> 614.0000 | -1.998 |
| 2: 627.5667 | -4.455 | 2: 627.5667 | -5.070 |
| 3: 599.5333 | -4.610 | 3: 599.5333 | -5.068 |
| 4: 544.0000 | -0.786 | 4: 544.0000 | -22.230 |
| 5: 684.0000 | -0.655 | 5: 684.0000 | -38.246 |