



Custom Made UHF Filter & Duplexer

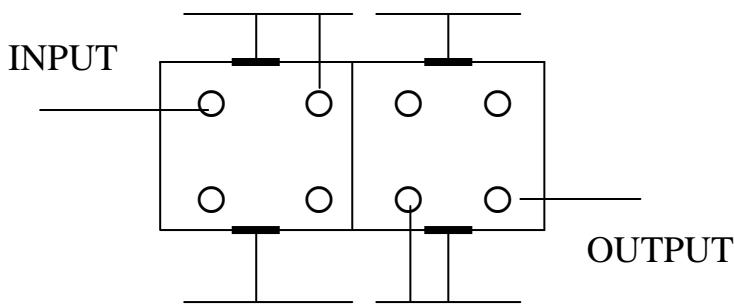
# Helical Filter Specification Sheet

Issued Dated :

|   |            |   |               |
|---|------------|---|---------------|
| Customer Name                             |            | Temwell's Part No.                            | TD67513A-800M |
| Approval No. /dated                       | 20201014DC | Customer's Part No.                           |               |
| Work Instruction No.                      | 20201014DC | Date  | 2002.01.09.   |
| <input type="checkbox"/> Buyer Print name |            | <input type="checkbox"/> Temwell,s print name |               |
| Case Name                                 | 7H2        | Case size :                                   |               |
| Terminator Type                           | A          |   |               |

\* Pin Position (Pin Connection) diagram as following

( A ) Type



(Bottom View )

(3) Electric Charasteric

| Item                          | Specify         | Performance     |
|-------------------------------|-----------------|-----------------|
| Center Freq.(Fo ) +/- 0.5 %   | 800 MHz         | 800 MHz         |
| Insertion Loss                | Typ. 2.0 dB     | 1.0 dB          |
| -3 dB Bandwidth               | Typ. 75 MHz     | 79.6 MHz        |
| Sensitivity<br>(Attenuation ) | Fo - 150 MHz    | Typ. 23 dBc     |
|                               | Fo + 150 MHz    | Typ. 15 dBc     |
|                               | Fo - ( )MHz     | Typ. dBc        |
|                               | Fo +( )MHz      | Typ. dBc        |
| Return Loss                   | Min. 12 dB      | 16.2 dB         |
| Ripple                        | < 1 dB          | dB              |
| Impedance                     | In / Out : 50 Ω | In / Out : 50 Ω |

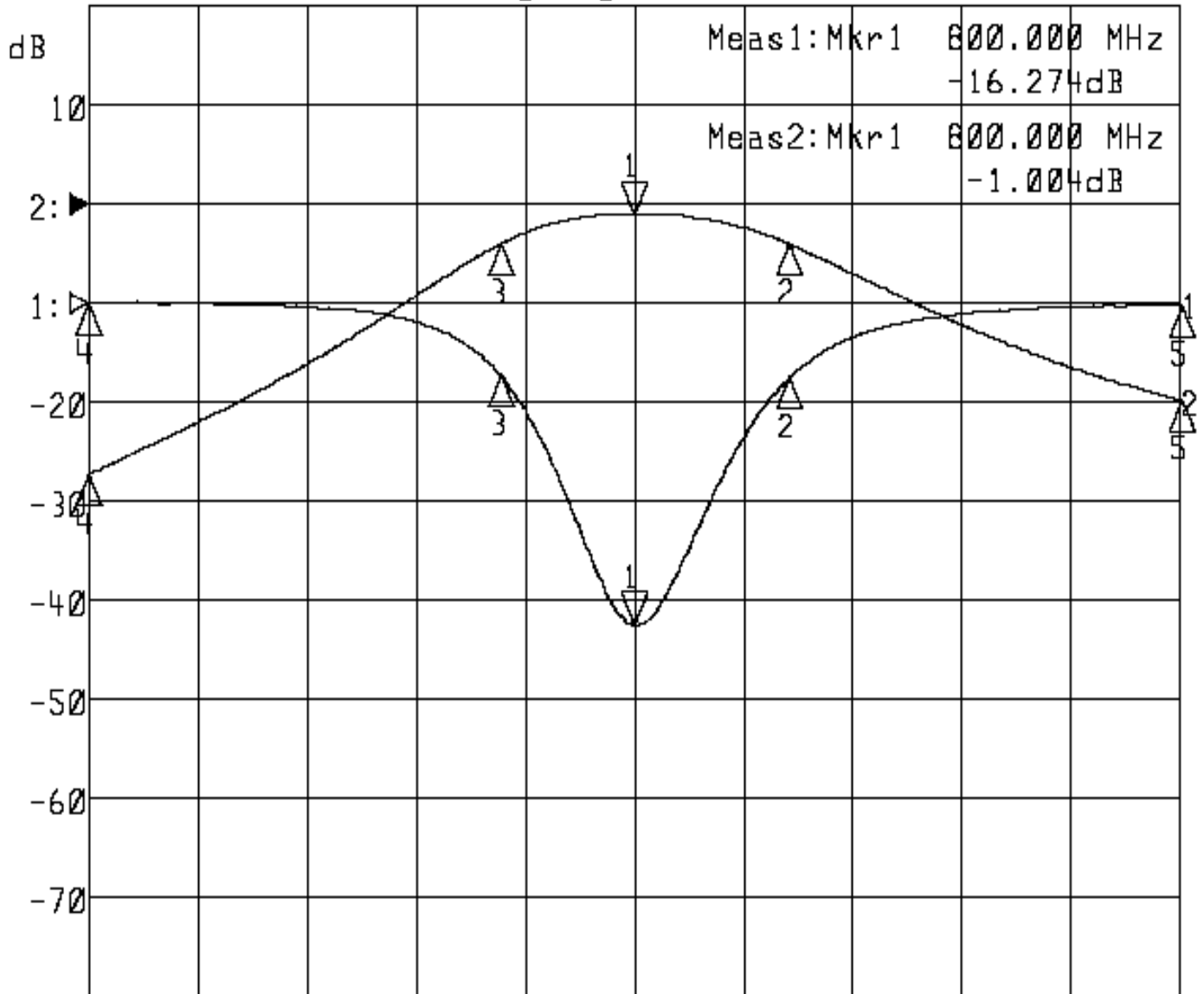
|                            |            |          |                         |
|----------------------------|------------|----------|-------------------------|
| Approval                   | Supervisor | Designer | Aperture size           |
|                            |            |          | 7H2S(4*7.5)<br>7H046LB6 |
| <b>TEMWELL CORPORATION</b> |            |          |                         |

# Performance-TD67513A-800M

## 20201014DC

▶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 800.000 MHz

Span 300.000 MHz

| 1: Mkr (MHz) | dB      | 2: Mkr (MHz) | dB      |
|--------------|---------|--------------|---------|
| 1> 800.0000  | -16.274 | 1> 800.0000  | -1.004  |
| 2: 842.8000  | -3.758  | 2: 842.8000  | -4.073  |
| 3: 763.2000  | -3.625  | 3: 763.2000  | -4.024  |
| 4: 650.0000  | 0.022   | 4: 650.0000  | -27.276 |
| 5: 950.0000  | -0.103  | 5: 950.0000  | -19.805 |