

## Product features

High cost performance semi flexible cable components.

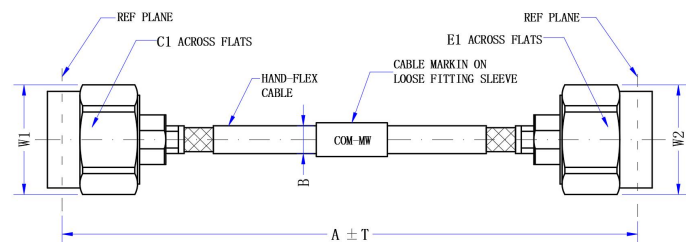
## Main specifications

| Items     | Frequency (G) | Min | Type  | Max   | Units |
|-----------|---------------|-----|-------|-------|-------|
| Frequency |               | DC  | ~     | 18    | GHz   |
| IL        | DC-2          |     | 11.58 | 11.75 | dB    |
| VSWR      | DC-2          |     | 1.02  | 1.15  |       |
| VSWR      | 2-6           |     | 1.06  | 1.15  |       |
| VSWR      | 6-12          |     | 1.10  | 1.33  |       |
| VSWR      | 12-18         |     | 1.19  | 1.33  |       |

## Other parameters

|                 |                            |
|-----------------|----------------------------|
| Cable category  | Hand-Flex Cable            |
| Length          | 4000mm                     |
| Connector 1     | N-M Stainless steel        |
| Connector 2     | N-M Stainless steel        |
| Impedance       | 50Ω                        |
| Operation Temp. | -40~+85°C Design assurance |
| Storage Temp.   | -40~+85°C Design assurance |

## Configuration



## Overall dimensions (mm)

|   |      |    |    |      |    |
|---|------|----|----|------|----|
| A | 4000 | mm | C1 | 20.0 | mm |
| B | 4.2  | mm | E1 | 20.0 | mm |
| T | 40   | mm | W1 | 21.4 | mm |
|   |      |    | W2 | 21.4 | mm |

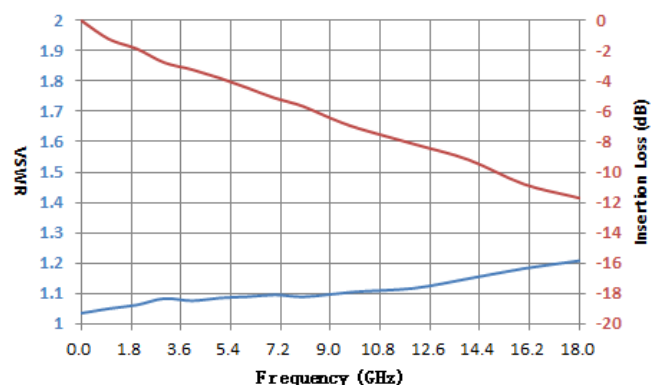
## Reference picture



## Typical test data

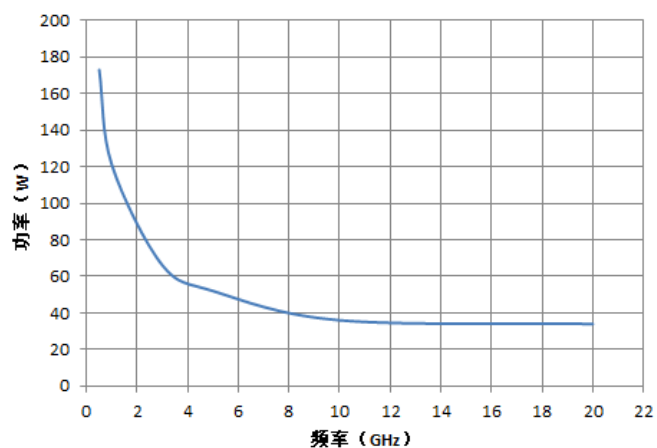
| F (MHz) | IL (dB) | Input VSWR | Output VSWR |
|---------|---------|------------|-------------|
| 100     | 0.02    | 1.01       | 1.02        |
| 1000    | 1.23    | 1.04       | 1.04        |
| 1500    | 1.87    | 1.05       | 1.05        |
| 2500    | 2.77    | 1.08       | 1.07        |
| 4000    | 3.24    | 1.07       | 1.05        |
| 5000    | 3.80    | 1.11       | 1.08        |
| 6000    | 4.45    | 1.10       | 1.07        |
| 7000    | 5.12    | 1.08       | 1.10        |
| 8000    | 5.65    | 1.09       | 1.10        |
| 9000    | 6.43    | 1.11       | 1.12        |
| 10000   | 7.10    | 1.13       | 1.13        |
| 12000   | 8.14    | 1.14       | 1.14        |
| 14000   | 9.18    | 1.15       | 1.15        |
| 16000   | 10.79   | 1.18       | 1.18        |
| 18000   | 11.70   | 1.20       | 1.19        |

## Typical test curve

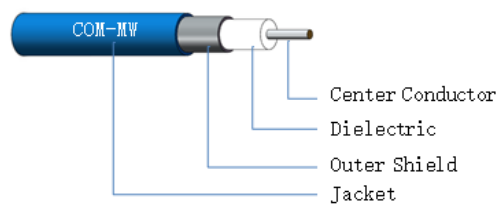


Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

## Type power curve



## Cable structure diagram



## Note

- 1 Suggested installation radius greater than 10mm