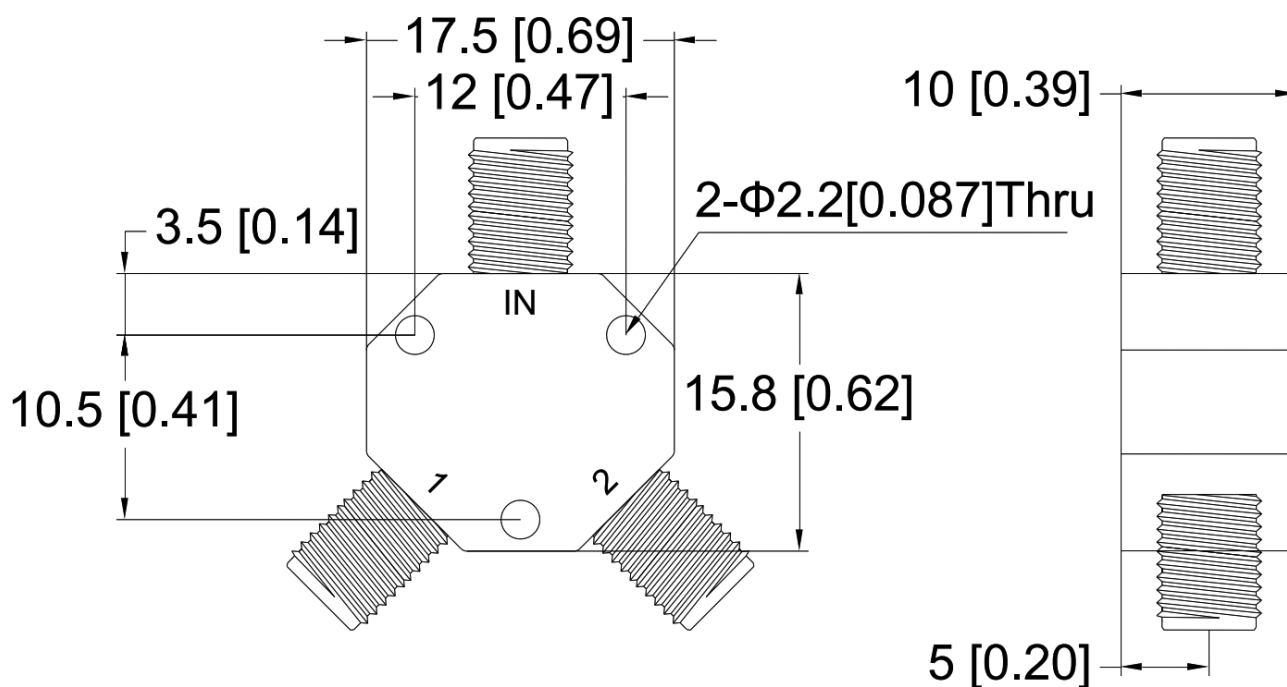




## 2.4mm 2 Way Resistive Power Divider, RPD50F2-C DC-50GHz, 1W, P-Grade, High Isolation

Dimensions(mm) Tolerance $\pm 1\%$



### Electrical & Environmental

|                   |                                                        |                  |               |
|-------------------|--------------------------------------------------------|------------------|---------------|
| Frequency Range   | DC-50GHz                                               | Impedance        | 50 Ohm        |
| Input Port VSWR   | 1.6 max                                                | Output Port VSWR | 2.5 max       |
| Insertion Loss    | 2dB max , Typ 1.6dB (Does not contain theory loss 6dB) |                  |               |
| Isolation         | 10dB min                                               |                  |               |
| Amplitude Balance | $\pm 0.7$ dB                                           | Phase Balance    | $\pm 7^\circ$ |
| Input Avg Power   | 1 Watts max @25°C                                      |                  |               |
| Operating Temp    | -40°C ~ +85°C                                          |                  |               |

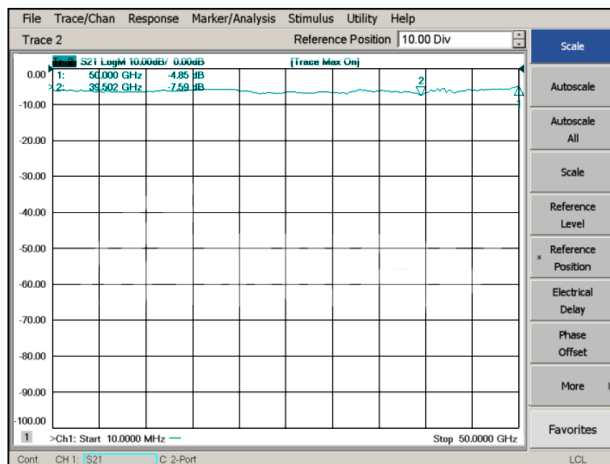
### Mechanical & Product Information

|                |                                    |                |                            |
|----------------|------------------------------------|----------------|----------------------------|
| Product Number | RPD50F2-C, P-Grade, High Isolation | Way            | 2                          |
| Connector      | 2.4mm Female                       | Connector Body | Passivated stainless steel |
| Center Contact | Gold plated beryllium copper       |                |                            |
| Housing        | 6062 Aluminum alloy, Blue Paint    |                |                            |
| Dimensions     | 17.5×15.8×10mm                     | Net Weight     | About 25.0g                |

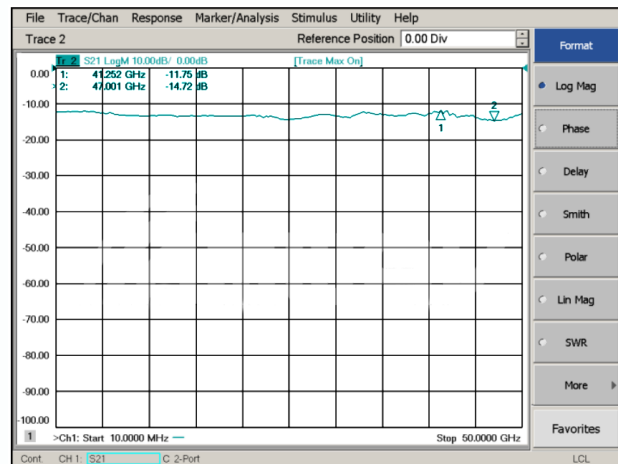


## 2.4mm 2 Way Resistive Power Divider, RPD50F2-C DC-50GHz, 1W, P-Grade, High Isolation

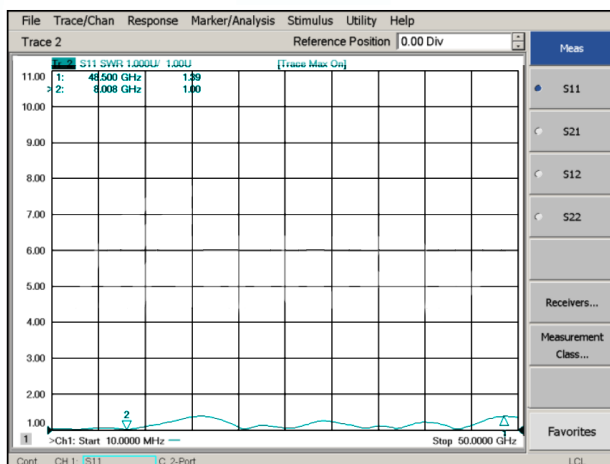
### Typical Test Data



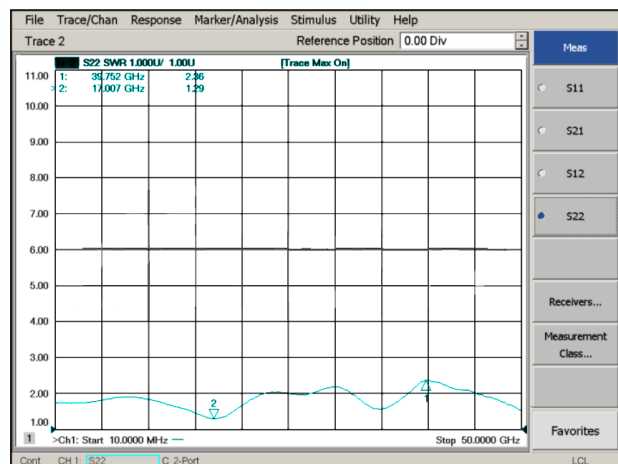
Insertion Loss



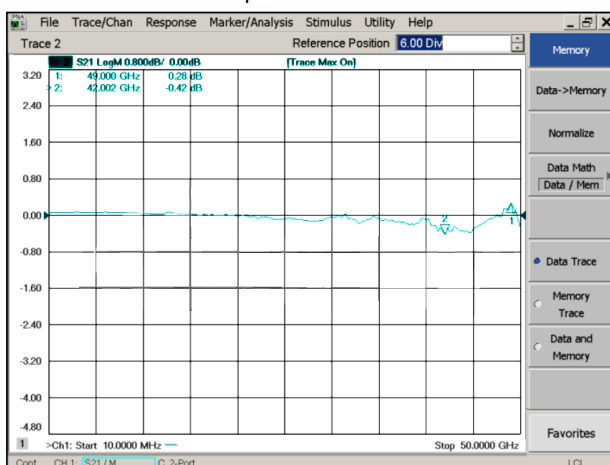
Isolation



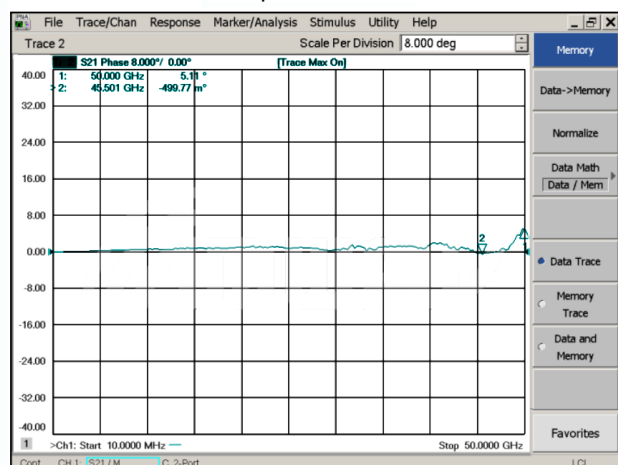
Input Port VSWR



Output Port VSWR



Amplitude Balance



Phase Balance