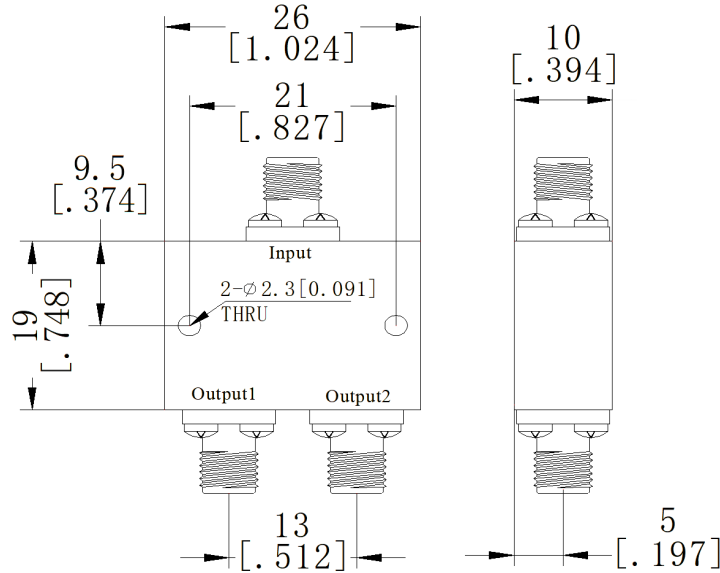


## 2.92mm 2 Way Microstrip Power Divider, RPD27F31K2 27-31GHz, 20W , P-Grade

Dimensions(mm) Tolerance±1%



### Electrical & Environmental

|                          |  |                  |        |
|--------------------------|--|------------------|--------|
| <b>Frequency Range</b>   | 27-31GHz   | <b>Impedance</b> | 50 Ohm |
| <b>Input Port VSWR</b>   | 1.5 max (Typ.1.38)   |                  |        |
| <b>Output Port VSWR</b>  | 1.5 max (Typ.1.26)   |                  |        |
| <b>Insertion Loss</b>    | 0.6dB max (Excluding theoretical loss未含理论损耗3.0dB)                            |                  |        |
| <b>Isolation</b>         | 16dB min (Typ.24dB)  |                  |        |
| <b>Amplitude Balance</b> | $\pm 0.4$ dB   |                  |        |
| <b>Phase Balance</b>     | $\pm 4^\circ$  |                  |        |
| <b>Input Avg Power</b>   | 20 Watts max @25°C (Derate linearly to 2 Watt at 100°C)<br>(Combiner合路器用时1W) |                  |        |
| <b>Operating Temp</b>    | -45°C ~ +85°C  |                  |        |

### Mechanical & Product Information

|                       |                              |                       |                            |
|-----------------------|------------------------------|-----------------------|----------------------------|
| <b>Product Number</b> | RPD27F31K2, P-Grade          | <b>Way</b>            | 2                          |
| <b>Connector</b>      | 2.92mm Female                | <b>Connector Body</b> | Passivated stainless steel |
| <b>Center Contact</b> | Gold plated beryllium copper |                       |                            |
| <b>Housing</b>        | Black paint                  |                       |                            |
| <b>Dimensions</b>     | 19×26×10mm                   | <b>Net Weight</b>     | About 21.0g                |