

Technical proposal for JX-PD2-27.5G29.5G-16F Power Divider

- ◆ High Performance
- ◆ High Reliability
- ◆ RoHS Compliant
- ◆ Small Volume

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2019/05/23	Lee	Created	/

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1. Mechanical layout

Table 1 Mechanical specifications @ JX-PD2-27.5G29.5G-16F

Dimension	L x W x H: 26.0mm x 25.0mm x 10.0mm
Connectors	2.92-Female
Finish	Grey Painting
Notes	Material shall be RoHS 6/6

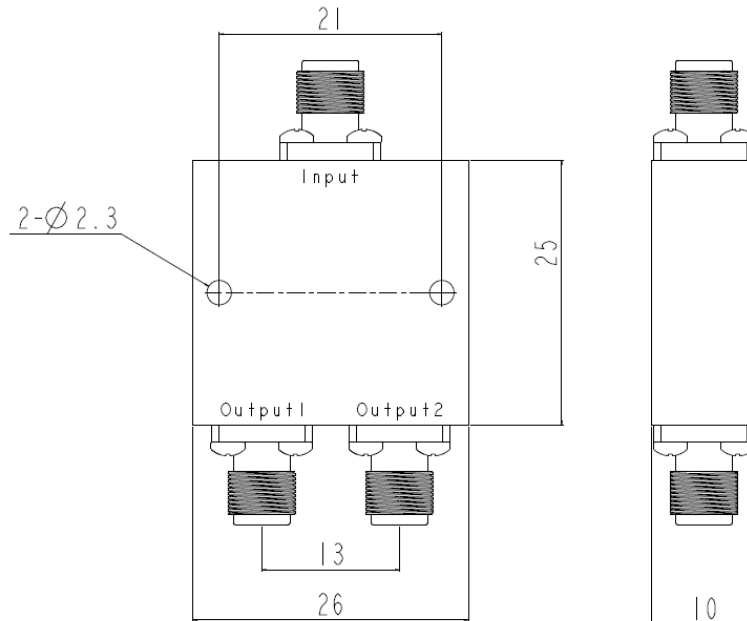


Figure 1 JX-PD2-27.5G29.5G-16F front panel layout

2. Electrical analysis

Table 2 Electrical specifications @ JX-PD2-27.5G29.5G-16F

Item	Parameter	Specification
1	Frequency range	27.5-29.5GHz
2	Insertion loss	≤1.5dB
3	VSWR	≤1.80 @ Input / ≤1.60 @ Output
4	Isolation	≥16dB
5	Amplitude balance	≤±0.40dB
6	Phase balance	±5°
7	Power handling (CW)	10W as divider / 1W as combiner
8	Impedance	50Ω
9	Temperature range	-40°C to +70°C

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