

RF TERMINATION Type 65100.31.0001

Description

Low PIM Termination, High Power

Compact low PIM load
For Small Cell/DAS applications



Product Configuration

Connector	4.3-10 jack (female)
Interface standards	IEC 61169-54

Technical Data

Electrical Data

Nominal Impedance	50 Ω		
Frequency range	0.35 to 4 GHz		
Frequency sub range	DC to 0.35 GHz	0.35 to 0.65 GHz	0.65 to 4 GHz
VSWR max.		1.196	1.152
Power rating	100 Watt average power up to 50 °C ambient temperature, linearly derated to 12.5 Watt at 85 °C ambient temperature.		
3rd order intermodulation max.	Static -160 dBc at 2x 43 dBm / 2x 20 W carrier		

Mechanical Data

Weight	3.4 kg
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Environmental Data

Operating temperature	-40 °C to 85 °C
Water and dust resistance	IP65 (according to IEC 60529, data refer to the coupled state)
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant

Material Data

Piece Part	Material	Surface Plating
Centre contact	Bronze / Brass	Silver Plating
Outer contact	Bronze / Brass	Silver Plating
Body	Aluminium	Passivated (Plating)
Insulator	PFA / PTFE	

Related Documents

Outline drawing	DOU-00366654
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Ordering Information

Single Packaging Packaging	65100.31.0001
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Additional Information

Remarks

Stationary Low PIM Load
Natural convection cooled device

Dimensions 160 x 106 x 160 (mm, length x width x height)

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Passive intermodulation, 3rd order products:

≤ -160 dBc at 700, 1800 and 2600 MHz band,

typ. -160 dBc for 350 to 650 MHz and typ. -165 dBc for 650 to 3000 MHz.

To assure secure operation, optimal performance and to avoid overheating the device shall be installed:

- in a restricted access location,
- in upright position, heat sink fins vertically aligned,
- free air flow is mandatory.

!! WARNING, HOT SURFACE, DO NOT TOUCH

Surface temperature max. 90°C .

No DC block needed for remote powered equipment,

Line configuration: RF/DC open-circuited.

Mounting set with brackets included for wall or panel mount.