Data Sheet

HUBER+SUHNER

RF TERMINATION Type 6530.31.0001

Description

Low PIM Termination, Medium 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 30 Watt average power up to 50 °C ambient temperature, linearly derated to 4 Watt at 85 °C ambient

temperature.

3rd order intermodulation max. Static -160 dBc at 2x 43 dBm / 2x 20 W carrier

Mechanical Data

Weight 1.7 kg

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 compliant 2015/863 and 2017/2102)

Material Data

Piece Part	Material	Surface Plating
Centre contact	Bronze / Brass	Silver Plating
Outer contact	Bronze / Brass	Tri-metal Plating
Body	Aluminium	Black
Insulator	PFA / PTFE	

Related Documents

Outline drawing DOU-00365993

Ordering Information

Single Packaging 6530.31.0001 Packaging

Additional Information

Remarks

Stationary Low PIM Load Natural convection cooled device

Dimensions 160 x 36 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.

/I\ 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.

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS

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