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 2015/863 and 2017/2102)	compliant

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.

/!\ 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.

Waiver: It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general information purposes only.