Data Sheet

HUBER+SUHNER

RF TERMINATION
Type 6510.31.0002

Description

Low PIM Termination, Medium Power

PIM optimised



Product Configuration

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

Technical Data

Electrical Data

Nominal Impedance	50 Ω			
Frequency range	0.4 to 3.8 GHz			
Frequency sub range	DC to 0.4 GHz	0.4 to 0.6 GHz	0.6 to 0.8 GHz	0.8 to 3.8 GHz
VSWR max.		1.4	1.25	1.17
Power rating	10 Watt average power up to 30 ˚C ambient temperature, linearly derated to 5 Watt at 55 ˚C ambient temperature.			
3rd order intermodulation max.	Static -160 dBc at 2x 43 dBm / 2x 20 W carrier			

Mechanical Data

Weight	0.42 kg

Environmental Data

Operating temperature	-40 °C to 55 °C
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant

Material Data

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

Related Documents

Outline drawing	DOU-00326338

Ordering Information

Single Packaging	6510.31.0002
Packaging	

Additional Information

Remarks

4.3-10 Interface protection against dangerous mismatch with 4.1/9.5

RF power handling 10 W continuous or 40 W for max 3 min periodic at an ON:OFF ratio of 1:3
Line configuration: RF/DC short-circuited

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Passive intermodulation, 2 x 20 W / 43 dBm to 3rd order products:
<= -155 dBc, typ. < -165 dBc at 400 MHz ,
<= -160 dBc, typ. < -165 dBc at 900 / 1800 / 1900 MHz

Surface temperature max.at 30 °C ambient temperature and ongoing regular operation:
- protective cover 60 °C,
- body 80 °C
/!\ WARNING /!\ HOT SURFACE - DO NOT TOUCH
Device may reach +80 °C at higher ambient temperature.

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.