

## 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 $\Omega$		
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
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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	Tri-metal Plating
Body	Aluminium	Black
Insulator	PFA / PTFE	

### Related Documents

Outline drawing	DOU-00365993
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### 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:

$\leq -160$  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.

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