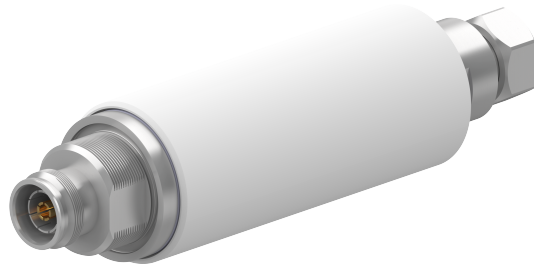


High voltage 18 kV DC-DC block

9077.31.0002

Properties

- Galvanic isolation of the RF signal path
- Broadband operation up to 3000 MHz
- Maintenance free
- Protects against electromagnetic interference caused by traction return current
- Provide ground potential separation
- Tested up to 18 kV



Product configuration

Main path connectors	Port 1: 4.3-10 plug (male) Port 2: 4.3-10 jack (female)
Mounting and grounding	MH110 (bulkhead mounting)
Side of bulkhead	Port 2

Interface and material data

Housing material / plating	POM (Polyoxymethylene)
Center contact, material / plating	Port 1: Brass / Silver Plating Port 2: Copper Beryllium Alloy / Silver Plating

Electrical data

Impedance	50 Ω
Frequency frame	180 MHz to 3000 MHz
Return loss typical	≥ 16 dB
Insertion loss typical	≤ 0.5 dB
CW power frame	≤ 80 W
Peak power frame	≤ 250 W
PIM 3rd order	-150 dBc
Galvanic isolation inner conductor	Yes
Galvanic isolation outer conductor	Yes
Blocking voltage center conductor	≤ 15000 V DC
Blocking voltage outer conductor	≤ 15000 V DC
Leakage current	≤ 50 μ A
Test voltage	18000 V
Test leakage current max	100 μ A

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