COAXIAL SURGE PROTECTOR DEVICE, GDT technology up to 2.5 GHz
3402.27.0001

Properties

- Broadband frequency operation from DC to 2 GHz
- Gas discharge tube replaceable and not included
- DC/AC remote powering via coaxial same cable
- Surge current handling capability 30 kA once and 20 kA multiple
- Semper self-extinguishing functionality optional

Product configuration	
Main path connectors	Port 1: unprotected, TNC jack (female)
	Port 2: protected, TNC jack (female)
Mounting and grounding	MH25 (bulkhead mounting)
Side of bulkhead	protected side

Material data	
Housing material / plating	Brass / SUCOPLATE (R) Plating
Center contact, material / plating	Port 1: Copper Beryllium Alloy / Gold Plating (without Nickel underplating)
	Port 2: Copper Beryllium Alloy / Gold Plating (without Nickel underplating)

Electrical data	
Impedance	75 Ω
Frequency frame	0 MHz to 2000 MHz
Return loss typical	15.5 dB
Insertion loss typical	0.2 dB
CW power frame	100 W

Electrical bands	Range 1
Frequency range	0 MHz … 1500 MHz
Return loss	16.5 dB
Insertion loss	0.2 dB

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Electrical bands

	Range 1
Power avg. / peak	100 W / -

Electrical remarks

Surge current handling capability	30 single / 20 multiple kA (test pulse 8/20 µs)
Residual pulse energy	350 µJ typically (test pulse 4 kV 1.2/50 µs / 2 kA 8/20 µs) main path - protected side
Gas tube	Yes DC, GDT not included

Mechanical data

Weight	112 g
Mating cycles	500

Environmental data

Operation temperature	-40 °C ... 85°C
Storage temperature	-40 °C ... 85°C
Ingress protection (IP Rating)	IP65

Ordering Information Table

Item number	Item description
23034818	3402.27.0001

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