

COAXIAL SURGE PROTECTOR DEVICE, GDT technology up to 2.5 GHz
3402.99.0004

Properties

- Broadband frequency operation from DC to 1.5 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, F jack (female) Port 2: protected, F jack (female)
Mounting and grounding	MH25 (bulkhead mounting)
EMP can be install reversed	YES

Interface and 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 1500 MHz
Insertion loss typical	0.5 dB
CW power frame	50 W
Residual pulse energy (typ.)	350 μJ (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)
Residual pulse voltage (typ.)	650 V (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)
Surge current handling capability	30 kA single, 20 kA multiple (test pulse 8/20 μs)

Electrical bands	
	Band 1
Frequency range	0 MHz ... 500 MHz
Return loss typical	≥ 15 dB

COAXIAL SURGE PROTECTOR DEVICE, GDT technology up to 2.5 GHz

3402.99.0004

Electrical bands			
	Band 1		
Insertion loss	≤ 0.25 dB		
Electrical remarks			
Gas tube		Yes DC, GDT not included	
Electrical remarks		Data refer to GDT 9071.99.0547, 230 V	
Mechanical data			
Weight		157 g	
Environmental data			
Operation temperature		-40 °C ... 85 °C	
Storage temperature		-40 °C ... 85 °C	
Ingress protection (IP Rating)		IP54	
Thermal shock according		MIL-STD-202, Method 107, Cond. B	
Vibration according		MIL-STD-202, Method 204, Cond. D	
Moisture resistance according		MIL-STD-202, Method 106	
Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
22650385	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead
Ordering Information Table			
Item number		Item description	
22650385		3402.99.0004	

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/ EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
DOCUMENT PIM-P1993 / Date of publication: 28.02.2025 / uncontrolled copy