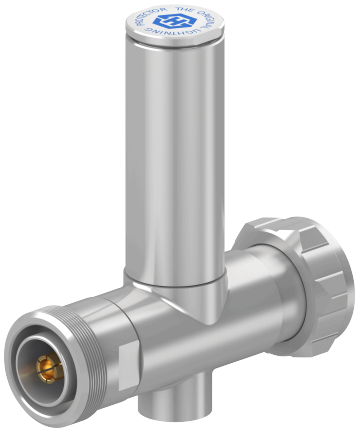
DATA SHEET

COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology with integrated high-pass filter, NEMP tested

3407.41.0038

Properties

- Residual voltage reduced by 80 % compared to standard types of series 3400
- Residual energy reduced of more than 99.9 % compared to series 3401 and 3402
- NEMP tested
- Maintenance free
- DC-blocking on protected side of the device



Product configuration	
Main path connectors	Port 1: unprotected, 7/16 plug (male) Port 2: protected, 7/16 jack (female)
Mounting and grounding	M8 (screw), brk (bracket)
EMP can be install reversed	YES

Interface and material data	
Housing material / plating	Brass / SUCOPLATE (R) Plating
Center contact, material / plating	Port 1: Brass / Silver Plating Port 2: Copper Beryllium Alloy / Silver Plating

Electrical data	
Impedance	50 Ω
Frequency frame	380 MHz to 512 MHz
Return loss typical	≥ 20 dB
Insertion loss typical	≤ 0.2 dB
CW power frame	≤ 500 W
Residual pulse energy (typ.)	0.03 µJ LEMP (test pulse 4 kV 1.2/50 µs; 2 kA 8/20 µs) 120 µJ NEMP (test pulse 6 kV 5/200 ns)
Residual pulse voltage (typ.)	455 V NEMP (test pulse 6 kV 5/200 ns)
Surge current handling capability	80 kA multiple (test pulse 8/20 µs)

Electrical remarks	
Gas tube	No DC / shorted QW or LC

COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology with integrated high-pass filter, NEMP tested

3407.41.0038

Mechanical data	
Weight	430 g

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	Mated / IP65, according to IEC 60529
Thermal shock according	MIL-STD-202, Method 107, Cond. B
Vibration according	MIL-STD-202, Method 204, Cond. A
Moisture resistance according	MIL-STD-202, Method 106

Ordering Information Table	
Item number	Item description
23037377	3407.41.0038

DOCUMENT PIM-P1953 / Date of publication: 31.10.2024 / uncontrolled copy