

## EMP Protector 3400.41.0204

### Description

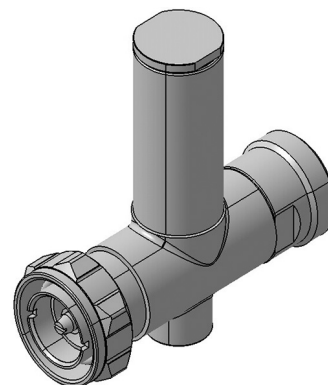
Quarter-wave stub technology

#### Benefits

Broad-band design

The protector can also be installed reversely

Compliant to IEC 61643-21



### Product Configuration

Main path connectors  
Mounting and grounding

Port 1: unprotected, 7/16 plug (male) - Port 2: protected, 7/16 jack (female)  
M8 (screw), brk (bracket)

### Technical Data

#### Electrical Data

Impedance	50 $\Omega$		
Frequency range	806 - 2500 MHz	806 - 960 MHz	1710 - 2500 MHz
Return loss	$\geq 20.8$ dB	$\geq 26$ dB	$\geq 26$ dB
Insertion loss	$\leq 0.15$ dB	$\leq 0.15$ dB	$\leq 0.15$ dB
RF CW power	$\leq 1500$ W	$\leq 3000$ W	$\leq 1500$ W
PIM 3rd order	-150 dBc max.	-150 dBc typ.	-150 dBc typ.
Surge current handling capability	80 multiple kA (test pulse 8/20 $\mu$ s)		
Residual pulse energy	10 $\mu$ J typically (test pulse 4 kV 1.2/50 $\mu$ s / 2 kA 8/20 $\mu$ s) main path - protected side		

#### Mechanical Data

Number of matings	500
Weight	415 g

#### Environmental Data

Operating temperature	-40 °C to +85 °C
Waterproof degree	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 Parts	Material	Surface Plating
Housing	Brass	SUCOPLATE (R) Plating
Port 1 center contact	Brass	Silver Plating
Port 2 center contact	Copper Beryllium Alloy	Silver Plating

### Related Documents

Outline drawing	DOU-00003818.1
Mounting instruction	DOC-0000176104