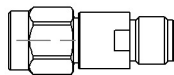
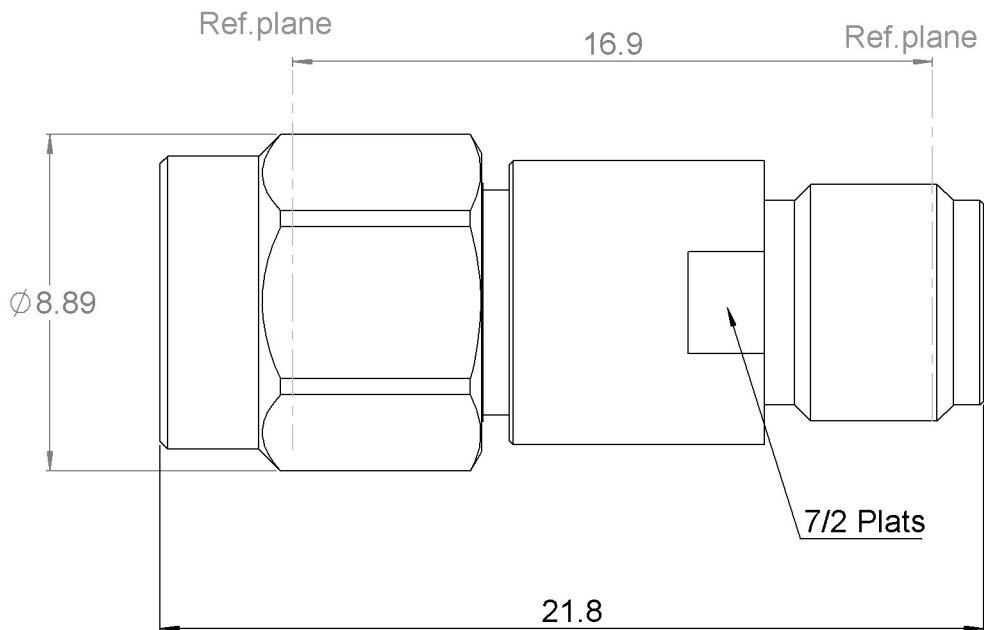
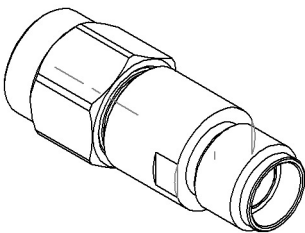


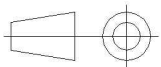
| | | | |
|----------|--------------------|----------------------|-------------------------------|
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|----------|--------------------|----------------------|-------------------------------|



SCALE : 1:1



All dimensions are in mm. Tolerances according ISO 2768 c-K



| COMPONENTS | MATERIALS | PLATING (µm) |
|-----------------------|--------------------------|-------------------------------|
| Body | STAINLESS STEEL | PASSIVATED. |
| Male center contact | BERYLLIUM COPPER | GOLD 2.5 OVER NICKEL 1 |
| Female center contact | BERYLLIUM COPPER | GOLD 2.5 OVER NICKEL 1 |
| Outer contact | | |
| Insulator | PTFE | |
| Gasket | SILICONE RUBBER | |
| Substrate | ALUMINIUM NITRIDE | |
| Resistor | THIN FILM | |
| Others parts | | |

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SERIES
ATTENUATOR

PART NUMBER **R429803102**

ELECTRICAL CHARACTERISTICS

| | | | |
|----------------------|-------------|-------------|--------------|
| Frequency (GHz) | DC-6 | 6-12 | 12-18 |
| V.S.W.R (\leq) | 1.2 | 1.35 | 1.4 |
| Deviation(\pm dB) | 0.6 | 0.6 | 0.6 |

| | | |
|------------------------------------|--------------|-----------------------|
| Operating Frequency Range | DC-18 | GHz |
| Impedance | 50 | Ω |
| Nominal Attenuation | 3 | dB |
| Peak power at 25°C (1 μ s, 1%) | 100 | W |
| Average power at 25°C | 2 | W (Free Air Cooled) |
| | | W (Conduction Cooled) |

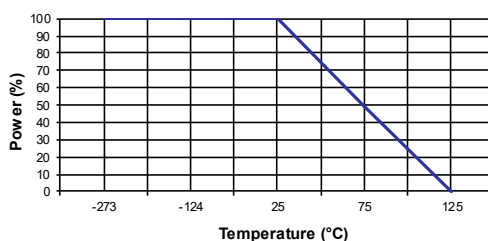
MECHANICAL CHARACTERISTICS

| | | | |
|---------------------|---------------|--------------------|-------------------|
| Connectors | SMA | Male Female | MIL C39012 |
| Weight (\pm 15%) | 5,1018 | g | |

ENVIRONMENTAL CHARACTERISTICS

| | | |
|-----------------------------|-----------------|----|
| Operating temperature range | 0.01/400 | K |
| Storage temperature range | -55/125 | °C |

Power derating Versus temperature



SPECIFICATION

OTHER CHARACTERISTICS

For Cryogenic applications