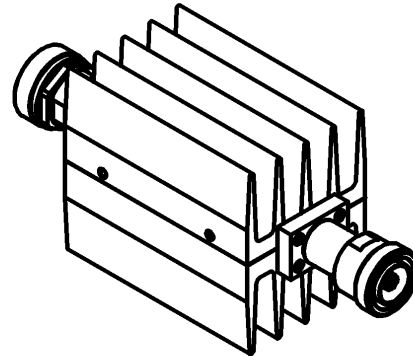
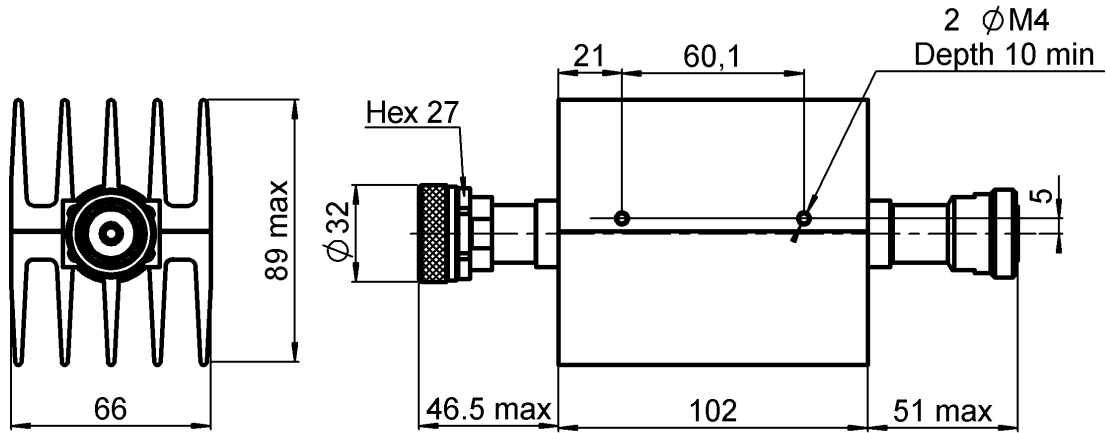


7-16 ATTENUATOR

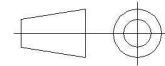
20 DB 3 GHZ 100W

**R420.720.110**

Series : ATTENUATOR



All dimensions are in mm.



| COMPONENTS            | MATERIALS        | PLATING( $\mu\text{m}$ ) |
|-----------------------|------------------|--------------------------|
| BODY                  | BRASS            | BBR 0.5 OVER SILVER 3    |
| MALE CENTER CONTACT   | BRASS            | BBR 0.5 OVER SILVER 3    |
| FEMALE CENTER CONTACT | BERYLLIUM COPPER | BBR 0.5 OVER SILVER 3    |
| OUTER CONTACT         | BRASS            | BBR 0.5 OVER SILVER 5    |
| INSULATOR             | PTFE             |                          |
| GASKET                | SILICONE RUBBER  |                          |
| SUBSTRATE             | ALUMINA          |                          |
| RESISTOR              | THICK FILM       |                          |
| OTHERS PARTS          | ALUMINIUM        | BLACK PAINTING           |

Issue : 0547 A

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

**7-16 ATTENUATOR**

**20 DB 3 GHZ 100W**

**R420.720.110**

Series : ATTENUATOR

**ELECTRICAL CHARACTERISTICS**

|                      |        |       |       |
|----------------------|--------|-------|-------|
| Frequency (GHz)      | DC - 1 | 1 - 2 | 2 - 3 |
| V.S.W.R ( $\leq$ )   | 1.10   | 1.25  | 1.30  |
| Deviation( $\pm$ dB) | 1      | 1     | 1.5   |

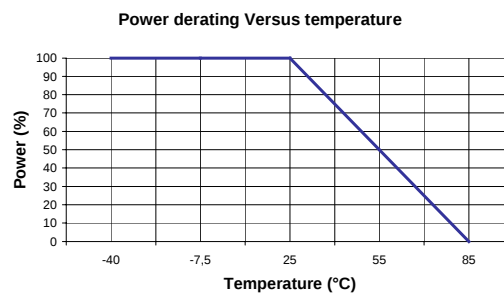
|                                    |        |                                              |
|------------------------------------|--------|----------------------------------------------|
| Operating Frequency Range          | DC - 3 | GHz                                          |
| Impedance                          | 50     | $\Omega$                                     |
| Nominal Attenuation                | 20     | dB                                           |
| Peak power at 25°C (1 $\mu$ s, 1%) | 5000   | W                                            |
| Average power at 25°C              | 100    | W (Free Air Cooled)<br>W (Conduction Cooled) |

**MECHANICAL CHARACTERISTICS**

|            |         |             |           |
|------------|---------|-------------|-----------|
| Connectors | 7-16    | Male Female | IEC 169-4 |
| Weight     | 931.425 | g           |           |

**ENVIRONMENTAL CHARACTERISTICS**

|                             |              |
|-----------------------------|--------------|
| Operating temperature range | -40 / +85 °C |
| Storage temperature range   | -40 / +85 °C |



**SPECIFICATION**

**OTHER CHARACTERISTICS**

**Issue : 0547 A**

In the effort to improve our products, we reserve the right to make changes judged to be necessary.