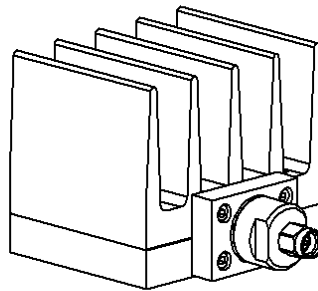
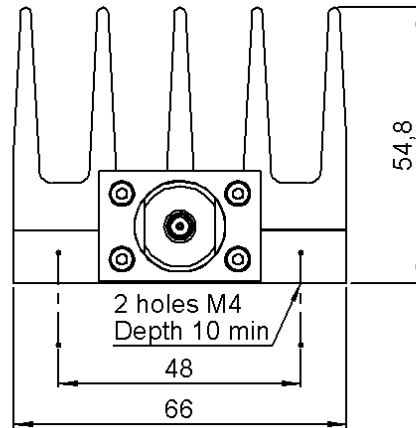
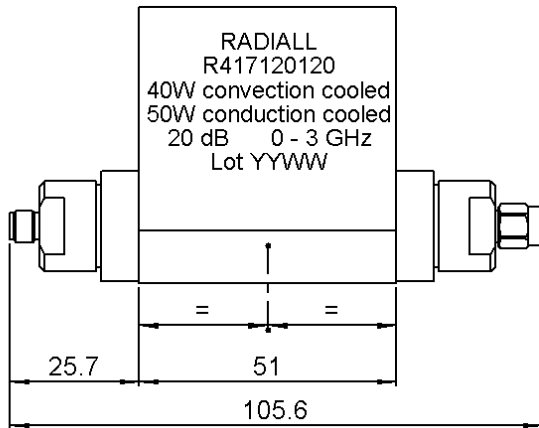


**SMA ATTENUATOR**  
**20 DB 3 GHZ 50W**

**R417.120.120**  
Series : **ATTENUATOR**



All dimensions are in mm.



| COMPONENTS                   | MATERIALS               | PLATING(μm)                  |
|------------------------------|-------------------------|------------------------------|
| <b>BODY</b>                  | <b>STAINLESS STEEL</b>  | <b>PASSIVATION</b>           |
| <b>MALE CENTER CONTACT</b>   | <b>BERYLLIUM COPPER</b> | <b>GOLD 1.3 OVER NICKEL2</b> |
| <b>FEMALE CENTER CONTACT</b> | <b>BERYLLIUM COPPER</b> | <b>GOLD 1.3 OVER NICKEL2</b> |
| <b>OUTER CONTACT</b>         |                         |                              |
| <b>INSULATOR</b>             | <b>PTFE</b>             |                              |
| <b>GASKET</b>                | <b>SILICONE RUBBER</b>  |                              |
| <b>SUBSTRATE</b>             | <b>ALUMINA</b>          |                              |
| <b>RESISTOR</b>              | <b>THICK FILM</b>       |                              |
| <b>OTHERS PARTS</b>          | <b>ALUMINIUM</b>        | <b>BLACK PAINTING</b>        |

Issue : 0840 A

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



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**ELECTRICAL CHARACTERISTICS**

|                 |        |       |       |
|-----------------|--------|-------|-------|
| Frequency (GHz) | DC - 1 | 1 - 2 | 2 - 3 |
| V.S.W.R (≤)     | 1.10   | 1.25  | 1.35  |
| Deviation(±dB)  | 2      | 2     | 2     |

|   |        |                       |
|---|--------|-----------------------|
| Operating Frequency Range   | DC - 3 | GHz                   |
| Impedance   | 50     | Ω                     |
| Nominal Attenuation   | 20     | dB                    |
| Peak power at 25°C (1μs, 1%)  | 5000   | W                     |
| Average power at 25°C   | 40     | W (Free Air Cooled)   |
|   | 50     | W (Conduction Cooled) |
| For conduction cooling, a plate 500 cm <sup>2</sup> x 3 mm(78 sq.in*1/8) min. is required |        |                       |

**MECHANICAL CHARACTERISTICS**

|            |            |             |             |
|------------|------------|-------------|-------------|
| Connectors | SMA        | Male Female | MIL-C 39012 |
| Weight     | 345,1700 g |             |             |

**ENVIRONMENTAL CHARACTERISTICS**

|                             |              |
|-----------------------------|--------------|
| Operating temperature range | -55 /+125 °C |
| Storage temperature range   | -55 /+125 °C |



**SPECIFICATION**

**OTHER CHARACTERISTICS**

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