

DL-3x502-FM



MULTIPLE 5.0 kW
DUMMY LOAD
88-108MHz

General information

The **DL-3x502-FM** is a triple 5.0 kW Termination Load; it is allocated in a 3ru height module, suitable to be mounted into a standard EIA 19" rack. The unit includes three 50 Ohm resistive loads, each of them suitable for withstanding either a continuous RF Power of 5.0 kW in the frequency range 88-108 MHz, or a power of 2 kW each when working simultaneously.

The loads are realized by combining thick film resistors on BeO substrate in order to transfer the heat exclusively by conduction to a suitable heat sink which is then cooled down by forced air .

The **DL-3x502-FM** includes all the mechanical and electronics components in order to achieve the best efficiency and to provide the following functionalities:

- Absorption of the applied RF Power
- System cooling by forced air
- Interlock protection for over temperature
- RF power monitoring



Technical Specifications

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| • Frequency Range | 88-108 MHz |
| • RF Input | 3 Input EIA 7/16" |
| • Impedance | 50 Ω |
| • VSWR | 1,1:1 |
| • Max Input Power | 5.0 kW CW for a single input
2kW CW each for 2 inputs simultaneously |
| • Supply Voltages | 115-230 VAC (mains) |
| • Cooling | forced air |
| • Minimum required air flow | 1000 m ³ /h at the sea level |
| • Size | 600 W x 133 H x 486 D mm |
| • Weight | 35 Kg approx. |
| • Temperature range | 0 + 45°C |
| • Protection | Overtemperature/Overdrive Interlock |
| • Telemetry | Power level (rms) for each load |

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