

# DL-252-FM



2,5 kW DUMMY LOAD  
88-108MHz

## General information

The **DL-252-FM** is a 2,5 KW Termination Load; it is allocated in a custom enclosure specifically designed to be mounted into the base of a standard EIA 19" rack. The working frequency covers the FM range 88-108 MHz with return loss > 30dB. The load is 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-252-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 and over drive
- RF power monitoring

## Technical Specifications

• Frequency Range	88-108 MHz
• RF Input	EIA 7/16"
• Impedance	50 $\Omega$
• VSWR	1,1:1
• Max Input Power	2.5 kW CW
• Supply Voltages	115-230 VAC (mains)
• Cooling	forced air
• Minimum required air flow	500 m <sup>3</sup> /h at the sea level
• Size	300W x 280H x 250D mm
• Weight	10 Kg approx.
• Temperature range	0 to +45°C
• Protection	Overtemperature/Overdrive Interlock
• Telemetry	Power level / temperature / alarms / interlocks