GREEN SERIES – INDUSTRIAL

THE POWER IN RADIO ELECTRONICS

Images are for reference only.
See Product Specifications.

DML 5032

DC to 6 GHz Operation,
50W Input Power
32 Channels

P/N: ERN-RM01-0006G-50-ID

E-REON's DML 5032 is a compact, multichannel RF termination load offered in a 19" 3U, industry standard casing for ease of installation in rack or benchtop configurations.

The DML 5032 offers the option of operating under DC or AC mains power (100~ 240Vac). A low VSWR is presented to each one of the 32 input ports throughout all its operational bandwidth that extends up to 6GHz.

E-REON Black Series active and passive modules and units can be provided in pallet form, machined aluminum housing, or rack mount chasses . For proper thermal management E-REON provides customized solutions of forced air or water-cooling plates. For more information, please contact us at info@e-reon.com.

Features

- 32 independent channels
- Operation up to 6 GHz operation
- Up to 50W operation (CW)
- Over-Temp alarm
- Thermostat based fan operation

Benefits

- Minimal integration requirements
- Industry standard chassis
- Ease of use

Applications

- Telecom
- HTOL Systems
- Production Lines
- Reliability Testing
- Semiconductor Development

Product Lifecycle: Preliminary

Specifications

Absolute Maximums (Not Simultaneous)

Parameter	Rating	Unit
RF Input Power* (10sec)	100	W
Max Operating Temperature (ambient)	55	°C
Max Operating Temperature (baseplate)	85	°C
Max Storage Temperature	-55 to 150	°C

* Conditions valid at ambient temp of 25°C

Export Classification
EAR99

Electrical Specifications @ 20 °C

Parameter	Symbol	Min	Typ	Max	Unit	Condition
Operating Frequency	BW	0.1		6000	MHz	
RF in	RF_{in}	0		50	W	
VSWR	VSWR	1:1		1.4	N/A	
Channel Impedance	Z_{ch}	-5%	50	5%	Ohm	
Operating Voltage	VAC	100	220	240	VAC	

Mechanical specifications

Parameter	Value	Unit	Conditions
Dimensions	497x483x133	mm	
Weight	TBD	grams	
RF Connectors, Input	SMA(F)	-	
Power Connector	IEC 60320 C14	-	
Cooling	Forced Air	-	Included

Environmental Specifications

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Operating Temperature (ambient)	Ta	-40	20	55	°C	
Operating Temperature (baseplate)	Tc	-40	50	85	°C	
Storage Temperature	Tstg	-	TBD		°C	
Relative Humidity (non-condensing)	RH			95	%	
Altitude	**N/A**	**N/A**	**N/A**	**N/A**	ft	
Vibration / Shock Profile	**N/A**[1]					

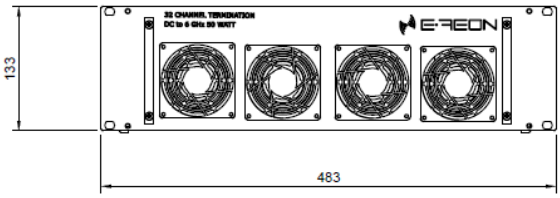
Operation

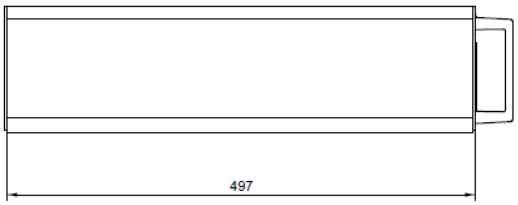
- For proper module operation the module must be powered with 220 Volts AC (front panel power on button).

! **Never expose channel(s) above 50W CW**

- The unit will power up internal fans when heatsink temperature will exceed 65^0C
- The unit will provide an audible alarm in case of overheating.
- In case of overheating please allow the unit to operate without RF power terminated to the channels until the alarm is “OFF”

Mechanical Outlines





Accessory Part Numbers

Part Number	Description
N/A	N/A

Pinout

Function	Pin	Input/Output
N/A	N/A	N/A

DML 5032 RACK MOUNT, 32 CHANNEL TERMINATION LOAD

DML $XX_{PW}XX_{CH}$ series of termination loads is provided in 10W, 25W 50W versions and 8, 16, 32 Channels. Please refer to the module with specific power level and number of channels you are interested by replacing **$XX_{PW}XX_{CH}$** with the power level and number of channels of interest.

For custom solutions please:

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Notes: