

PUNCHED GRID RESISTORSSeries : **PUNCHED GRID****Features:**

- Modular Design.
- IP20-IP23 Class Enclosure.
- Low Inductance 10-40 μ H.
- Grid junction are TIG welded - continuous current
- High capacity (upto 260A per bank) without paralleling
- Compact and light in weight for equivalent current capacity of other type of grids.
- Sufficient number of tapplings to simplify the adjustment of resistance.
- Resistance range from 0.1 Ohm minimum to 16 Ohms maximum per bank.
- Multiple resistors in mounting frame for open execution.

**Applications**

- Industrial Breaking Resistors
- Neutral Ground Resistors
- Renewable Energy

Punched Grid Assembly

- Multiple punched grid resistance are with mounting frame is a sheet steel frame, sturdy in construction with welded top and bottom plates having corrosion resistant finish. They are available in different sizes to accommodate as per requirements.

Enclosure

- The MS Enclosure with RAL 7035 (or customized requirement), IP20

Construction :**Technical specification:**

DESCRIPTION	SERIES
	PG
Resistance tolerance*	$\pm 5\%$, $\pm 10\%$, $\pm 20\%$
Temperature coefficient	± 950 ppm/ $^{\circ}$ C
Maximum dissipation	4K-250K
Maximum permissible voltage	$\sqrt{P \times R}$
Operating temperature range	-55 $^{\circ}$ ~ +415 $^{\circ}$ C
Stability, R max. Load	$\Delta R \pm (10.0\% + 0.10\Omega)$
Climatic test	$\Delta R \pm (10.0\% + 0.10\Omega)$
Short time overload	$\Delta R \pm (5.0\% + 0.10\Omega)$

*Note : Lower resistance tolerance other than specified above are available on request

Part Numbering Information:

Part Number : Type number, power rating, resistance value, tolerance, tcr.

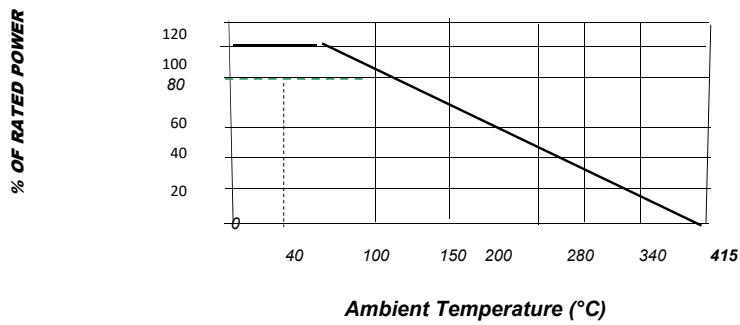
PG	13.5 KW	13.6 Ohm	$\pm 10\%$	50% to 100%
Type	Power rating	Resistance value	Tolerance	Duty Cycle (ED)

Material Specifications

Plate Element	SS 304 Punched Grid
Insulators	Ceramic Bush / Mica Washer
Mounting Studs	MS M10 Studs Zinc Plated
Enclosure	CR Sheet Fabricated duty Powder Coated
Standard Colour	RAL 7035 (Grey)

Dielectric Strength	2500V AC , for 1 Minute
Insulation Resistance	> 20 M ohms @1000 V dc
Temperature Rise	375 °C Max over ambient

Derating Curve:



Material Specifications

