

## DESCRIPTION

Procom loads/terminations are matched to 50 ohms characteristic impedance. Matched loads provide a termination designed to absorb all the incident power with very little reflection. Terminations are used in a wide variety of systems; any port of a multi-port microwave device that is not involved in the measurement, or in a system, should be terminated in its characteristic impedance in order to ensure an accurate measurement.

➤ This series of coaxial loads have very low SWR and are especially suitable for use with:

- Power Hybrids.
- Isolators.
- Coaxial Transmission Lines.
- Power Monitors.
- Wattmeters.
- Receiver Multicouplers.

➤ The surface of the dummy loads is black anodized.

## SPECIFICATIONS

| Electrical       |         |                    |                              |                              |
|------------------|---------|--------------------|------------------------------|------------------------------|
| Model            | PRL 1W  | PRL 3W             | PRL 15W                      | PRL 30W                      |
| Frequency        | 0-1 GHz | 0-1.0 (2.5) GHz    | 0-1.5 (2.5) GHz              | 0-1.5 (2.5) GHz              |
| Max. Input Power | 1W      | 3W                 | 15W (30W with extra cooling) | 30W (60W with extra cooling) |
| Impedance        | 50 Ω    |                    |                              |                              |
| VSWR             | < 1.5:1 | < 1.15:1 (< 1.5:1) | < 1.15:1 (< 1.5:1)           | < 1.15:1 (< 1.5:1)           |

| Mechanical    |                    |                   |                    |                   |
|---------------|--------------------|-------------------|--------------------|-------------------|
| Connection(s) | N(m)               |                   |                    |                   |
| Dimensions    | ø21 x 24 mm        | ø21 x 39.5 mm     | ø40 x 40 mm        | ø40 x 60 mm       |
| Weight        | 0.025 kg / 0.06 lb | 0.05 kg / 0.11 lb | 0.105 kg / 0.23 lb | 0.18 kg / 0.40 lb |

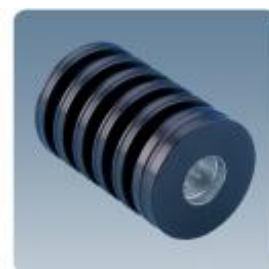
| Environmental               |              |
|-----------------------------|--------------|
| Operating Temperature Range | -30 to 60 °C |

## ORDERING

| Type    | Product No. |
|---------|-------------|
| PRL 1W  | 210000640   |
| PRL 3W  | 210000869   |
| PRL 15W | 210000553   |
| PRL 30W | 210000554   |



PRL 15W



PRL 30W



PRL 3W



PRL 1W

## DIAGRAM

### DIMENSIONS

