

# CAP Series

### Who Says Infrared Windows Have to be Round?

The durability and proven transmission stability of our patented reinforced polymer is the cornerstone of the **CAP Series**.

Traditional round infrared (IR) windows are made 2" – 4" diameters. This is primarily because increasing the diameter and maintaining the thickness exponentially increases the fragility of the crystal, making larger sizes weaker and cost prohibitive.

Available in 6", 12", and 24" widths, **CAP Series** IR windows allow inspection of multiple component through one window, reducing the total number of windows, associated installation time, and costs.



CAP-12 shown above, CAP-C-6 shown to right, with cover open

### CAP Series Features:

- Durable, fully impact-resistant
- Fixed And Stable Transmission (FAST)
- Proven compatibility with acids, alkalis, UV, moisture, humidity, vibration, and high frequency noise
- Reinforcing grills comply with IP2x standard for safe maximum hole size and fail-safe design
- Optional cover with locking catches
- Customizable; if you don't see what you need in the standard offering you can configure:
  - Housing Materials
  - Gaskets
  - Locking Devices
  - Labeling
  - Color
- Fitting templates and instructions included

### Certifications:

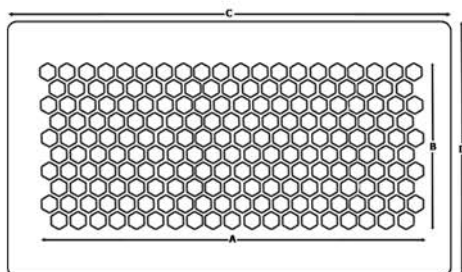
- Recognized by UL in the USA & Canada to the following standards:
  - UL 50V
  - UL 50E
  - UL 746C: Impact and Flammability
  - UL1558: Impact and Load Resistance
  - UL 508A; ANSI UL 508A
- IEEE C37 20.2.a.3.6: Impact and Load
- IP65 / NEMA 4
- Lloyds of London Type Approval
- American Bureau of Shipping (ABS)

### Protected by Our Unconditional Lifetime Warranty

#### Specifications

Materials	
Window Housing and Cover	Standard product constructed of aluminum; custom materials available
Optic	UL 746 compliant, IR transmissive polymer; -40°C (-40°F) to 325°C (617°F)
Gaskets	UL 94 5VA TPE; -40°C (-40°F) to 273°C (523°F)
Hardware	316 stainless steel

Other	
Useful Temperature Rating	-40°C (-40°F) to 200°C (392°F)
Water and Dust Ingress	IP65 / NEMA 4: closed and when in use



#### Dimensions

Model	IR Window	Overall Dimensions
CAP-6, CAP-C-6	A=9.1 cm (3.6 in), B=15 cm (5.9 in)	C=16 cm (6.3 in), D=21.8 cm (8.6 in)
CAP-12, CAP-C-12	A=23.6 cm (9.3 in), B=12.7 cm (5.0 in)	C=30.5 cm (12.0 in), D=20.6 cm (8.1 in)
CAP-24, CAP-C-24	A=53 cm (20.9 in), B=15 cm (5.9 in)	C=61 cm (24.0 in), D=21.8 cm (8.6 in)

#### Local Contact Information