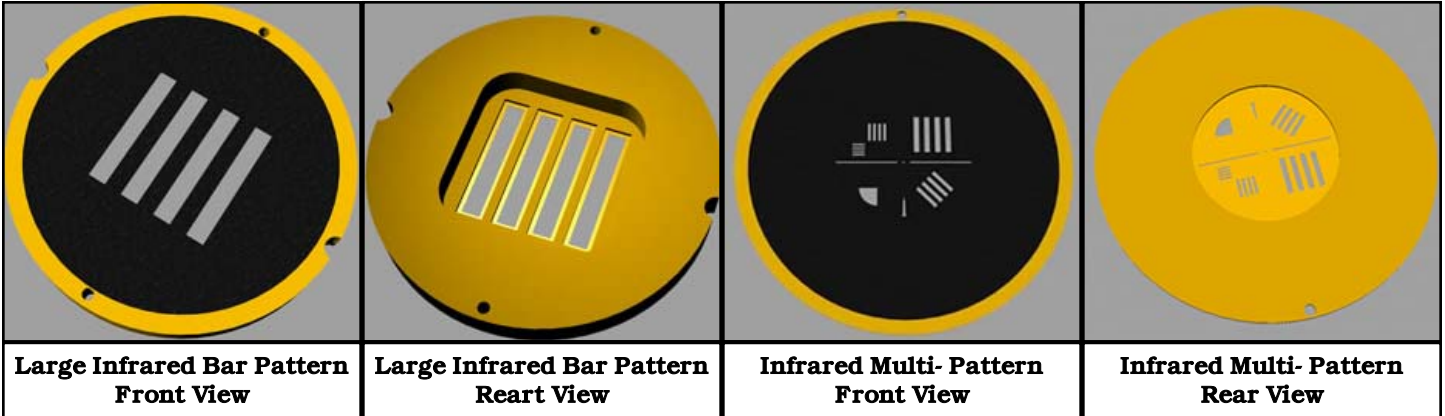


## Custom Patterns for Infrared Applications



National Aperture, Inc. has been the leader in the military and industrial market for **precise, highly demanding** Infrared Apertures and Infrared Patterns requiring **high infrared emissivity**, in conjunction with **high reflectance**.

### Competitive with:

- EDM
- Laser Machining
- Conventional Machining
- Micro-machining
- Etching
- Photo Lithography ...

### Applications include:

- Infrared Calibration
- Infrared Resolution
- Infrared Imaging

### Patterns include:

- 4 bar or other multi-bar
- Quarter round,
- Half round, etc.
- Cross target patterns
- Squares
- Slit and hole combinations
- Arrays, Random patterns, etc

### Standard Backer Option:

0.025-0.37 inch thick Aluminum, Brass or Copper

### Available Coatings:

- Gold (bright or matte)
- Nextel Velvet
- Nextel Suede
- Poly black
- Krylon
- Textured Krylon
- Per customer request

### Emissivity Data:

Available from 1 $\mu$ m to 16 $\mu$ m wavelength

### Size Range:

- Slits and Holes 10 $\mu$ m to >50mm
- Bar Paterns 17 $\mu$ m to >50mm

### Edge Quality:

0.7 $\mu$ m to 3.0 $\mu$ m (depending on requirements)

### Standard Certifications:

Available down to +/- 2 $\mu$ m