www.ametekaegis.com

AEGIS™ / AMETEK® ENGINEERED INTERCONNECT AND PACKAGING

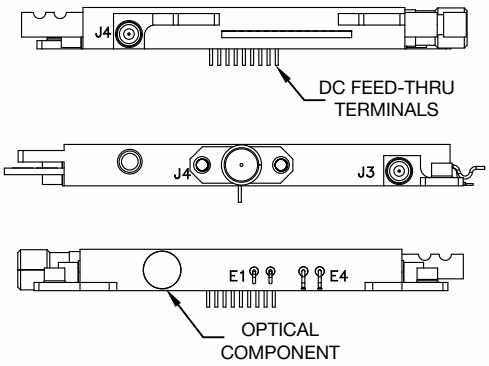
Machined Electro-Optical and Micro-Electronic Packages

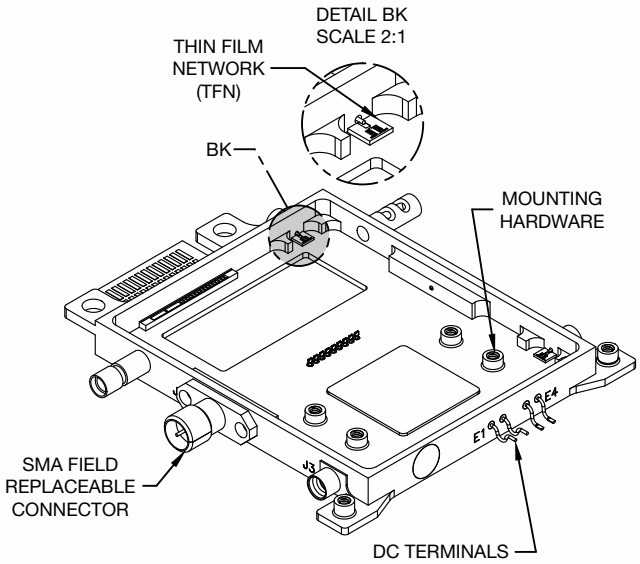
Aegis has the capability and the experience to partner with you in designing and manufacturing the most complex and advanced electro-optical and micro-electronic packages for optical networks and defense products.

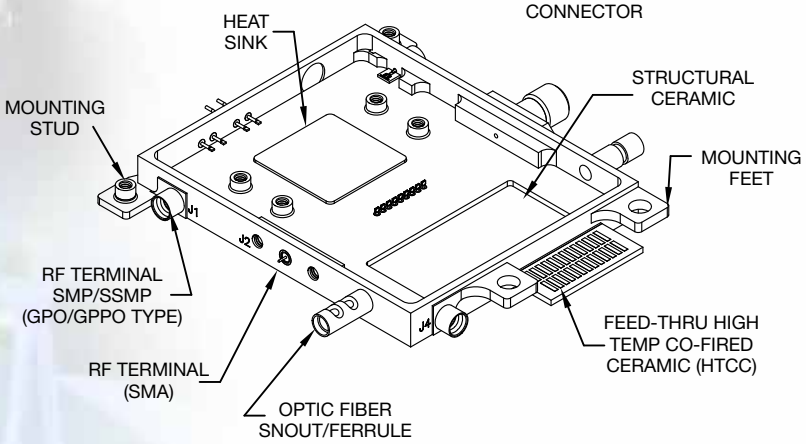
Product features include:

- **A selection of housing materials to suit your application**
- **Brazed or integral optical fiber snout/ferrule**
- **Thermal management bases and inserts**
- **Structural ceramic inserts**
- **Thin Film Networks**
- **Glass or ceramic interconnections**
  - ✔ DC feed thru terminals
  - ✔ RF terminals (SMA, SMP, SSMP)
  - ✔ Field replaceable SMA connectors
  - ✔ High Temperature Co-fired Ceramic (HTCC) feed thrus
- **Integral mounting feet**
- **Brazed mounting studs and hardware**

MACHINED HOUSING







Other Products from Aegis

- **Flatpacks (butterfly packages)**
  - ✔ Single piece (bathtub) and multi-piece housings
- **Plug-ins**
  - ✔ Single piece (bathtub) and multi-piece housings
- **Plug-in flats (platforms)**
- **Machined housings in Kovar, stainless and other materials**
- **Complex integrated packages with ceramic feedthrus and terminals, RF and DC terminals, connectors, and optical fiber tubes**
- **Thermal management solutions**
  - ✔ Mo
  - ✔ CuW
  - ✔ CuMo
- **Lids and covers**

Capabilities

- **Machining, forming and stamping**
- **High temperature brazing**
- **High temperature glass-to-metal-sealing**
- **Low temperature brazing and secondary component installation**
- **Plating**
  - ✔ In-house capabilities – Gold and Nickel
  - ✔ Also available – Tin and Copper
- **Testing**
  - ✔ Leak (hermeticity)
  - ✔ Electrical
  - ✔ Dimensional (CMM)
  - ✔ Plating adhesion
  - ✔ Environmental testing per Mil-STD-883 Table IV

About AMETEK ENGINEERED INTERCONNECT AND PACKAGING - Aegis

Sealing glass to metal for over 30 years, Aegis has made its name sealing the most demanding configurations of microelectronic packages in use today. As a business unit of AMETEK ENGINEERED INTERCONNECT AND PACKAGING, Aegis manufactures a full range of industry standard and complex custom packages in both glass and ceramic configurations, to your drawings and technical requirements.

Check-out the Aegis advantage:

- ✔ ***Scale – we can handle any sized job***
- ✔ ***Technology – an unbeatable combination of engineering expertise and experience***
- ✔ ***Customer Service – real-time product and order status at the customer service desk***
- ✔ ***Quality – designed in and thoroughly tested***
- ✔ ***Supply Chain Management – skills essential to the successful execution of the most complex projects***

AEGIS™

AMETEK
ENGINEERED INTERCONNECT AND PACKAGING

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