

PRODUCT DATASHEET

MODULAR HIGH DENSITY 12 CHANNEL ELECTRO / OPTIC INSERT(S)



Modular high density 12 channel Electro/Optic insert(s)

DESCRIPTION

The high-density modular connector inserts were developed for the U.S. Navy on a SBIR (Small Business Innovative Research) contract. The 12-channel connectors can be populated in any combination of electrical or optical contacts. Optical contacts available in PC and APC. Single and multi-mode compatible.

KEY FEATURES

- Mated Length: 2.12"
- Overall Diameter: 0.625"
- Suitable for MSS and MINI-CON series of dry-matable connectors
- Depth Rating:
 - 2,500 psi survival
 - 1,250 psi operational
- Electric rating: 2.5 A @ 500V
- Modular: Mix and match electrical and optical contacts

DESIGN RATINGS & TESTING

- Optical Insertion Loss:
 - < -0.5 dB per channel @ 1550 nM
- Back reflection:
 - < -40dB (PC)
 - < -70dB (APC)
- Mate/De-mate Testing:
 - >500 cycles
- Isopar Compatible

MATERIALS

- 6AL-4V Titanium insert bodies
- 316 Stainless Steel Fiber Optic Contacts

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Rev 2

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