

50W Yb:Fiber Laser Collimator



| Features: | Benefits: |
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| <ul style="list-style-type: none"> EOT's patented high power collimator technology Patent U.S. 7,306,376 B2 | <ul style="list-style-type: none"> Resistance to high levels of back reflected power, and can be used with most customer supplied SM PI fiber with a cladding diameter of $\leq 250\mu\text{m}$. |
| <ul style="list-style-type: none"> Stainless steel armor cable | <ul style="list-style-type: none"> Limits fiber breaks. |

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| Part No. (Model) ^a | 110-10202-0001 (SM-HI1060-A) |
| Design Wavelength | 1064nm |
| Insertion Loss | $\leq 0.13\text{dB}$ |
| Beam Diameter | $0.5 \pm 0.01\text{mm}$ |
| Return Loss | $< -50\text{dB}$ |
| Operating Temperature for $>20\text{dB}$ isolation | 0 to 70°C |
| Storage Temperature | -10 to 80°C |
| Humidity | 0-90% non-condensing |
| Forward P_{avg} Handling | 50W |
| Reverse P_{avg} Handling | $\leq 2\text{W}$ average @ 5 minutes |
| Fiber Type | Corning HI1060 |
| Fiber Protection ^b | 5mm dia. stainless steel armor |
| Fiber Length | 3m |

Notes:

- Product specifications and pricing subject to change without notice.
- Physically dangerous levels of radiation can be associated with fiber breaks when used at high power levels. If isolator is purchased without armor cable, the customer accepts all liability and responsibility for any damages and/or personal injury due to fiber breaks or other non-conformance of the product.

