

## PM 50W Fiber Collimator



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

Part No. (Model) <sup>a</sup>	110-10220-0001 (C-PM980)
Design Wavelength	1064nm
Insertion Loss	$\leq 0.13\text{dB}$
Beam Diameter	$0.5 \pm 0.03\text{mm}$
Return Loss	$< -50\text{dB}$
Operating Temperature for $>20\text{dB}$ isolation	0 to $70^\circ\text{C}$
Storage Temperature	$-10$ to $80^\circ\text{C}$
Humidity	0-90% non-condensing
Forward $P_{\text{avg}}$ Handling	50W
Reverse $P_{\text{avg}}$ Handling	$\leq 2\text{W}$ average @ 5 minutes
Fiber Type	Fujikura SM.98-P-6/125-U
Fiber Protection <sup>b</sup>	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.

