

# Polarization Maintaining Fiber Coupled SESAM (PMCS)

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## Introduction

Beamq Polarization Maintaining Fiber Coupled **Semiconductor Saturable Absorber Mirror (SESAM) PMCS** Series product, has very good performance of high extinction, low insertion loss and high reliability. It is ideal for ultra-fast fiber lasers.



## Specification

Parameters	Unit	Values
Center Wavelength	nm	1064/1550/Specify
Max. Insertion Loss	dB	1.4
Beam spot size on SESAM surface	$\mu\text{m}$	20 / 50 / Customized
Focal working distance	mm	3.5
Output Beam Size	$\mu\text{m}$	20 / 50 / Customized
Extinction Ratio	dB	$\geq 20$
Fiber Type	--	PM980/PM1550/Specify
Handing Power	mW	500
Working Temperature	$^{\circ}\text{C}$	-5 to 70
Storage Temperature	$^{\circ}\text{C}$	-40 to 85
Tensile Load	N	5

\*IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

\*Above specifications are for device without connector and may change without notice.

## Ordering Information

PMCS-①-②-③-④-⑤-⑥-⑦-⑧

①Central Wavelength	②Beam size on sesam	③Output Beam Size	④Fiber Type	⑤Fiber Length	⑥Fiber Jacket	⑦Working Axis	⑧Connector
1064-1064nm	20-20 $\mu\text{m}$	20-20 $\mu\text{m}$	PM980-PM980	1-1M	0-Bare Fiber	F-Fast Axis Blocked	FU-FC/PC
1550-1550nm	50-50 $\mu\text{m}$	50-50 $\mu\text{m}$	PM1550-	S-Specify	1-900 $\mu\text{m}$ Loose Tube	B-Both Axis Working	FA-FC/APC
S-Specify	S-Specify	S-Specify	S-Specify		2-2mm Cable		S-specify
					3-3mm Cable		