

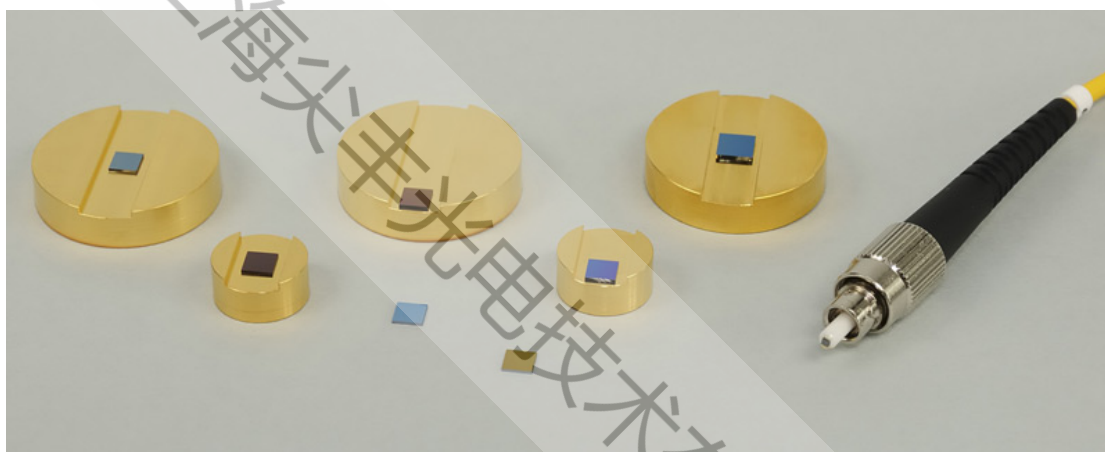
SAM 半导体可饱和吸收镜 1064nm (Saturable Absorber Mirror 1064 nm)

SAM-saturable absorber mirror for laser mode locking

品牌:BATOP

型号:SAM-1064

关键词:半导体可饱和吸收镜, 可饱和吸收耦合输出镜, 共振可饱和吸收镜, 可饱和噪声去除腔, 可饱和吸收体



BATOP 现已成为用于被动锁模激光器的可饱和吸收体的世界领先供应商。可饱和吸收产品集合了各式各样的不同的器件, 从可饱和吸收镜(SESAM), 到可饱和输出镜(SOC)和用于透过应用的可饱和吸收体(SA)。迄今为止, 可饱和吸收产品已经覆盖了 800nm 到 2.6 μ m 的常用激光波长范围。

SAM product list

Wavelength region	790 nm-830 nm: 800 nm
Wavelength region	910 nm-990 nm: 940 nm 980 nm
Wavelength region	1020 nm-1150 nm: 1040 nm 1064 nm 1100 nm
Wavelength region	1110 nm-1320 nm: 1150 nm 1300 nm
Wavelength region	1320 nm-1460 nm: 1340 nm 1420 nm
Wavelength region	1470 nm-1660 nm: 1510 nm 1550 nm 1645 nm
Wavelength region	1900 nm-3200 nm: 2000 nm 2150 nm 2400 nm 3000 nm



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SAM 1064	
laser wavelength	$\lambda = 1064 \text{ nm}$
high reflection band (R>99%)	$\lambda = 1020 \dots 1110 \text{ nm}$
absorption	$A_0 = 0.5 - 70 \%$
relaxation time	$\tau \sim 500 \text{ fs} - 27 \text{ ps}$

型号参数:

Part No. help	Delivery time	Description
SAM-1064-0.7-1ps-x	1 week	SAM: $\lambda = 1064 \text{ nm}$, absorptance 0.7 %, $\Delta R = 0.4 \%$, $\tau \sim 1 \text{ ps}$
SAM-1064-1-1ps-x	1 week	SAM: $\lambda = 1064 \text{ nm}$, absorptance 1 %, $\Delta R = 0.6 \%$, $\tau \sim 1 \text{ ps}$
SAM-1064-1.5-1ps-x	1 week	SAM: $\lambda = 1064 \text{ nm}$, absorptance 1.5 %, $\Delta R = 0.8 \%$, $\tau \sim 1 \text{ ps}$
SAM-1064-2-1ps-x	1 week	SAM: $\lambda = 1064 \text{ nm}$, absorptance 2 %, $\Delta R = 1.2 \%$, $\tau \sim 1 \text{ ps}$
SAM-1064-3-1ps-x	1 week	SAM: $\lambda = 1064 \text{ nm}$, absorptance 3 %, $\Delta R = 1.6 \%$, $\tau \sim 1 \text{ ps}$
SAM-1064-3.5-1ps-x	1 week	SAM: $\lambda = 1064 \text{ nm}$, absorptance 3.5 %, $\Delta R = 2 \%$, $\tau \sim 1 \text{ ps}$
SAM-1064-4-1ps-x	1 week	SAM: $\lambda = 1064 \text{ nm}$, absorptance 4 %, $\Delta R = 2.4 \%$, $\tau \sim 1 \text{ ps}$
SAM-1064-5-1ps-x	1 week	SAM: $\lambda = 1064 \text{ nm}$, absorptance 5 %, $\Delta R = 3 \%$, $\tau \sim 1 \text{ ps}$
SAM-1064-6-1ps-x	1 week	SAM: $\lambda = 1064 \text{ nm}$, absorptance 6 %, $\Delta R = 3.5 \%$, $\tau \sim 1 \text{ ps}$
SAM-1064-8-500fs-x	1 week	SAM: $\lambda = 1064 \text{ nm}$, absorptance 8 %, $\Delta R = 5 \%$
SAM-1064-10-1ps-x	1 week	SAM: $\lambda = 1064 \text{ nm}$, absorptance 10 %, $\Delta R =$

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		6 %, $\tau \sim 1$ ps
SAM-1064-13-500fs-x	1 week	SAM: $\lambda = 1064$ nm, absorptance 13 %, $\Delta R = 8$ %
SAM-1064-18-500fs-x	1 week	SAM: $\lambda = 1064$ nm, absorptance 18 %, $\Delta R = 10$ %, $\tau \sim 500$ fs, antiresonant multi quantum well structure,
SAM-1064-23-1ps-x	1 week	SAM: $\lambda = 1064$ nm, absorptance 28 %, $\Delta R = 15$ %, $\tau \sim 1$ ps, antiresonant multi quantum well structure,
SAM-1064-26-1ps-x	1 week	SAM: $\lambda = 1064$ nm, absorptance 28 %, $\Delta R = 13$ %, $\tau \sim 1$ ps, resonant multi quantum well structure,
SAM-1064-38-1ps-x	1 week	SAM: $\lambda = 1064$ nm, absorptance 38 %, $\Delta R = 23$ %, $\tau \sim 1$ ps, antiresonant multi quantum well structure,
SAM-1064-70-500fs-x	1 week	SAM: $\lambda = 1064$ nm, absorptance 70 %, $\Delta R = 40$ %, $\tau \sim 500$ fs