



SeasonBeam™ - Wide Temperature Range Fiber Laser Isolator

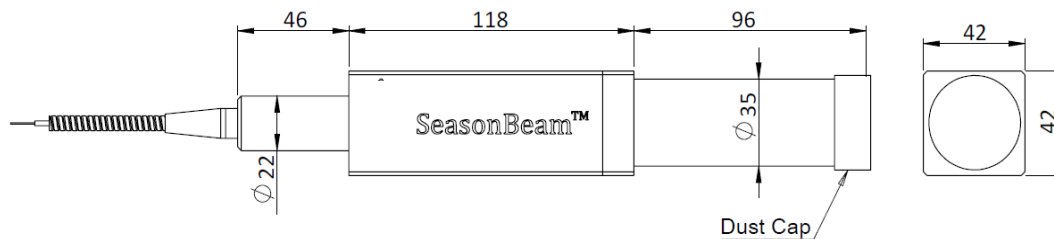
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AFR's SeasonBeam™ Isolator proves solution to fiber laser that is required to operate in wide temperature range. With patented design, SeasonBeam™ isolator maintains high isolation in temperature between 0°C and 55°C to ass laser operates well at all environment temperatures. The SeasonBeam™ can be used alone or in combination with AFR's SteadiBeam™ technology for higher power isolators to eliminate thermal lensing effect.

Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1064±15nm
Typ. Peak Isolation	dB	40
Min. Isolation at 23°C, λ_c all polarization states	dB	35
Min. Isolation at all temperature, λ_c all polarization states	dB	30
Max. Insertion Loss at 23°C, λ_c	dB	0.4
Max. Insertion Loss at all temperature	dB	0.5
Min. Return Loss	dB	50
Nominal Output Beam Diameter ($1/e^2$)	mm	7.0 ± 0.5
Beam Circularity	%	> 90
M ² Degradation	%	< 10
Max. Average Optical Power	W	20 - 100
Max. Peak Power for ns pulse	KW	35
Fiber Type (input port)		Specified by ordering info
Operating Temperature	°C	0 to +55
Storage Temperature	°C	-20 to +70

Package Dimensions



Units: mm
Toleranc: x±1mm x.x±0.2mm

Ordering Information

SeansonBeam-①①-②②②-③-④-⑤

①①: Wavelength

06 - 1064nm

SS - Specify

②②②: Handling Power

020 - 20W

070 - 70W

030 - 30W

100 - 100W

050 - 50W

SSS - Specify

③: Jacket Type

6 - 6 mm Armoured cable

S - Specify

④: Fiber Length

3 - 3.0 m

S - Specify

⑤: Fiber Type

1 - Nufern LMA-GDF-20/130-M (NA0.08)

2 - Nufern LMA-GDF-30/250-M (NA 0.06)

S - Specify

