1053nm High Power Polarization-Insensitive OPtical Isolator

Features

- High Power Handling
- Low Insertion Loss/ High Isolation
- High Return Loss
- Low Polarization Sensitivity
- Optical Path Epoxy Free

Applications

- Fiberoptic Amplifiers
- CATV Fiberoptic Links
- Fiberoptic Systems Testing
- Fiberoptic LAN Systems
- Telecommunications

Performance Specifications

Parameter	Specification	
	1053nm (10W)	1053nm (20W)
Operating Wavelength (nm)	1053	
Typical PeakIsolation (dB)	30	30
Minimum Isolation *(dB)	25	25
Typical Insertio Loss** (dB)	1.3	1.3
Maximum Insertion Loss***(dB)	1.5	1.5
Return Loss (In/Out) (dB)	≥45/45	≥45/45
PDL (dB)	≤0.15	≤0.15
PMD (ps)	0.25	0.25
Operating Temperature (°C)	-20 ~ + 70	-20 ~ + 70
Storage Temperature (°C)	-40 ~ + 85	-40 ~ + 85
Fiber Type	HI 1060	HI 1060
Fiber Length (Min.)	1 meter each end	1 meter each end
Dimensions (mm)	60x31.5x28	65x40x40
Power Handing (W)	10	20
Maximum Peak Power for ns Pulse (KW)	5	5
Maximum Tensile Load (N)	5	5

* At 23°C over bandwidth

** Does not include connector, splice and fiber-end fresnel losses

*** Including PDL, operating wavelength range , -23°C

Ordering Information

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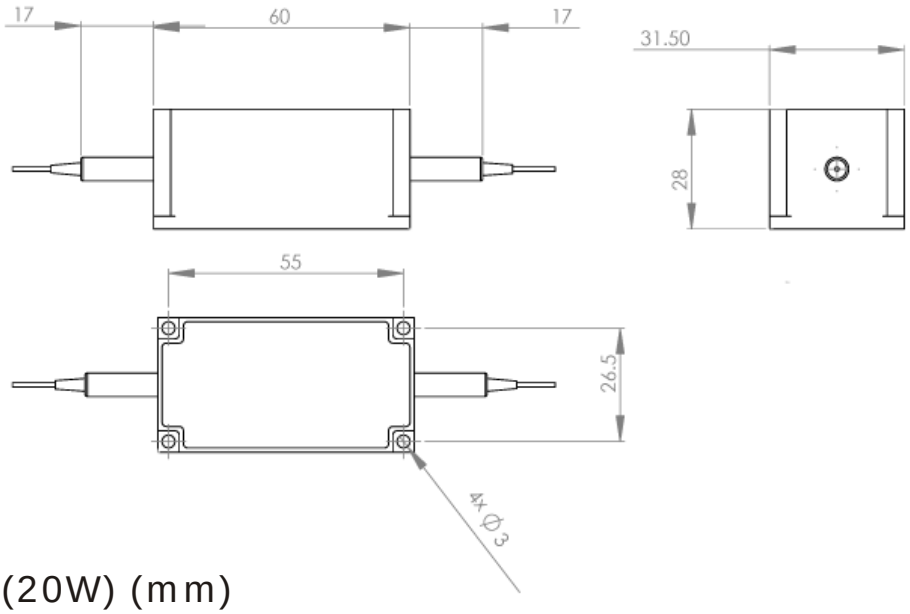
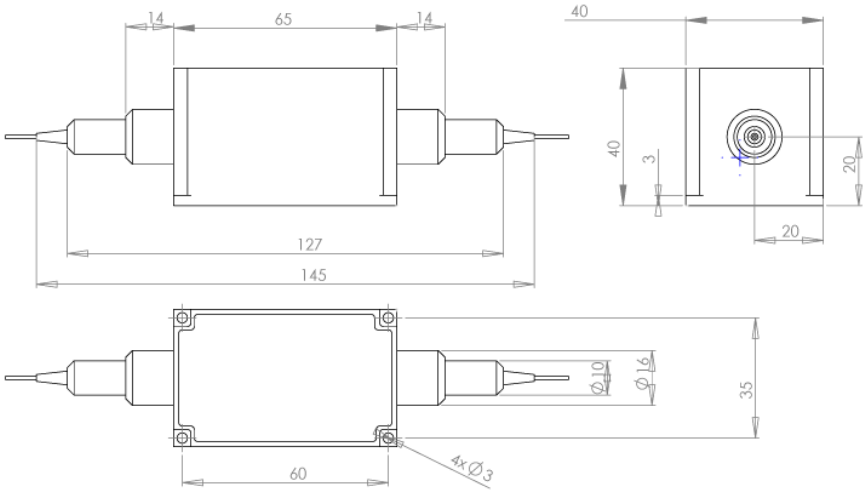
HXIS	**Wavelength**	**Grade**	**Pigtail Style**	**Fiber Length**	**Fiber Type**	**In/Out Connector**
X=1, 1W X=5, 5W X=A, 10W X=B, 20W	1053=1053nm	P=P Grade	1=Bare Fiber 2=900um Jacket	1=1.0m 2=1.5m 3=2.0m 4=Custom Length	3=HI 1060 fiber	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC

Dimensions (10W) (mm)



Dimensions (20W) (mm)



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