

TECHNICAL DATASHEET

PM Optical Isolator + WDM Hybrid 980/1550nm 980/1064nm

Product family	Mini & Hybrid
Key selection	980/1550nm / 980/1064nm / PM

Technical Specifications

Parameter	-	Unit	Specification	-	-	-	-	-
Grade	-	-	Single Stage	Dual Stage	Single Stage	Dual Stage	Single Stage	Dual Stage
Signal channel	Signal Wavelength Range	nm	2000±10	-	1550±15	-	1064±5	-
-	Maximum Insertion Loss @ 23°C	dB	1.4	1.6	0.9	1.0	2.3	3.5
-	Typical Peak Reverse Signal Isolation	dB	20	30	40	52	40	52
-	Minimum Reverse Signal Isolation @ 23°C	dB	18	28	28	45	28	45
-	Minimum Isolation (Common to Pass @ reflection wavelength)	dB	25	-	30	-	30	-
-	Minimum Extinction Ratio @ 23°C	dB	18	-	20	-	20	-
Reflection channel	Wavelength Range	nm	1550±30	-	960 to 990	-	960 to 990	-
-	Maximum Insertion Loss @ 23°C	dB	0.6	-	-	-	-	-

Parameter	-	Unit	Specification	-	-	-	-	-
-	Minimum Isolation (Common to Reflection @ signal wavelength)	dB	12	-	15	-	15	-
-	Minimum Extinction Ratio @ 23°C	dB	18	-	20	-	20	-
Minimum Return Loss	-	dB	50	-	-	-	-	-
Maximum Insertion Loss Thermal Stability	-	dB/°C	0.005	-	-	-	-	-
Maximum Power (CW)	-	mW	300	-	-	-	-	-
Maximum Tensile Load	-	N	5	-	-	-	-	-
Operating Temperature	-	°C	-5 to +70	-	-	-	-	-
Storage Temperature	-	°C	-40 to +85	-	-	-	-	-

Configuration Notes

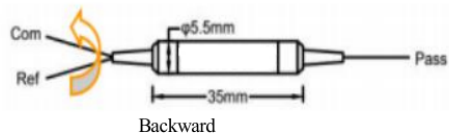
Available wavelength, optical power, fiber, connector, pigtail and package options depend on the selected product configuration. Please include the target application and quantity with your RFQ. Final ordering details are confirmed in the quotation.

www.kernsoptic.com | jenny@kernsoptic.com

Package Dimensions

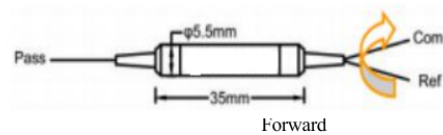
PM Optical Isolator + WDM Hybrid 980/1550nm 980/1064nm

Package reference: Dia. 5.5x35



Signal Route: Com to Pass

Pump Route: Ref to Com



Signal Route: Pass to Com

Pump Route: Ref to Com

Dimensions are shown in millimetres unless otherwise indicated. Final package, pigtail and connector configuration should be confirmed in the quotation.