

TECHNICAL DATASHEET

PM Optical Isolator + Tap + WDM 3-in-1 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 Wavelength	-	nm	1064	-	1550	-	2000,1950	-
Signal Wavelength Range	-	nm	±15	-	±30	-	±15	-
Minimum Passband Width (@ -0.5 dB)	-	nm	2,5,8,15 orSpecified	-	-	-	-	-
Maximum Stopband Width (@ -25 dB)	-	nm	Specified	-	-	-	-	-
Maximum Excess Loss @ 23°C (Input to Output, λc)	-	dB	2.5	3.5	1.3	1.4	1.5	1.7
Minimum Signal Isolation @ 23°C (Output to Input, λc±15 nm)	-	dB	28	45	28	45	20	30
Channel Isolation	Signal channel	dB	30	-	-	-	-	-
-	Pump channel	dB	12	-	-	-	-	-
Coupling Ratio	-	%	1 to 50	-	-	-	-	-
Pump Wavelength Range	-	nm	980±10	-	980±10	-	1550±20	-
Maximum Insertion Loss (Pump Channel)	-	dB	0.7	-	0.7	-	0.7	-
Minimum Extinction Ratio @ 23°C (PM fiber channel)	-	dB	20	-	20	-	18	-
Minimum Return Loss	-	dB	50	-	-	-	-	-
Maximum Optical Power (CW)	-	mW	300	-	-	-	-	-

Parameter	-	Unit	Specification	-	-	-	-	-
Maximum Tensile Load	-	N	5	-	-	-	-	-
Operating Temperature	-	°C	-5 to +50	-	-	-	-	-
Storage Temperature	-	°C	-40 to +85	-	-	-	-	-

Configuration Notes

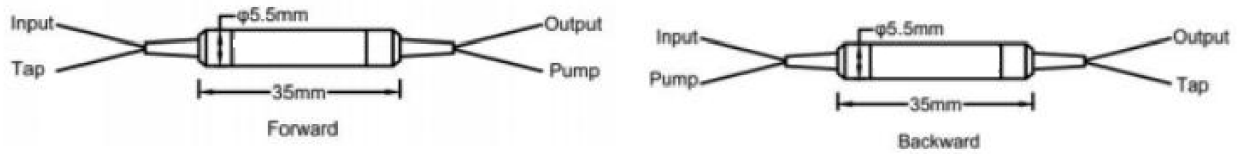
Available wavelength, optical power, fiber, connector, pigtail and package options depend on the selected product configuration. Please include the target application and quantity with your RFQ. Final ordering details are confirmed in the quotation.

www.kernsoptic.com | jenny@kernsoptic.com

Package Dimensions

PM Optical Isolator + Tap + WDM 3-in-1 Hybrid 980/1550nm 980/1064nm

Package reference: 5x35



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