

High Power In-line Isolator with Tap

Description

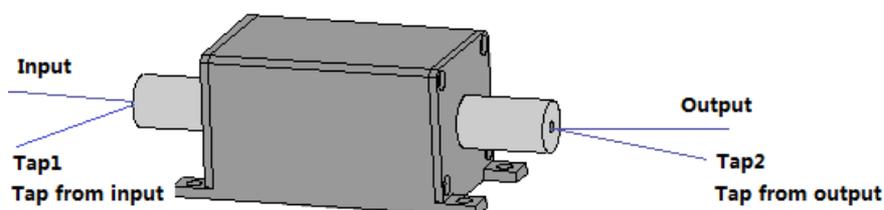
The in-line isolator with tap is characterized with low cost and compact size. It is characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. It is ideal for fiber laser and instrumentation applications.

Key Features

- * High isolation and low insertion loss
- * PM and Non-PM are available; Fiber can be customized
- * Excellent environmental stability and reliability

Applications

- * Fiber laser
- * Fiber sensor



Specifications

Parameter		Type	PM & NON-PM	
Operating wavelength (nm)			1030	1064
Bandwidth			± 5	
Insertion loss from input to output @ 23°C (dB)			≤ 1.5	
Insertion loss @ 23°C (dB)	Input to Tap1		≤ 20	
	Output to Tap2		≤ 20	
Typical peak isolation (dB)			≥ 30	≥ 35
Isolation in band at 23°C (dB)			≥ 25	≥ 28
Extinction ratio for PM type (dB)			$\geq 18(B); \geq 20(F)$	
Return loss (dB)			≥ 45	
Fiber type (can be customized)	Input & Output		PM980(PM) / HI1060(NON-PM)	
	Tap		105/125 0.22NA	
Input max. power handling (W)			10	
Dimensions (L x W x H mm)			110x 34 x 34	116x 34 x 34
Operating temperature(°C)			-5 ~ +50	
Storage temperature(°C)			-20 ~ +70	

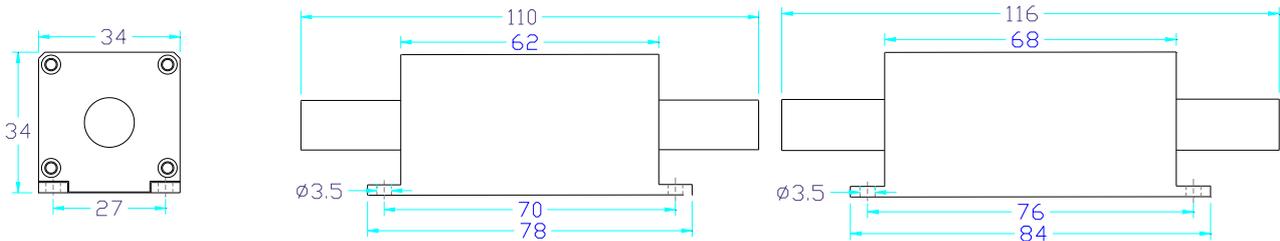
*“B” for both axis working, “F” for slow axis working and fast axis blocked.

* Backward power < 10% input power

* The above specifications is without connector.

* The above specifications base on the extinction ratio of system ≥ 20 dB for PM type.

Mechanical Dimensions (Unit: mm)



Ordering Information

HP(M)IITT-X-X-XX-X-X-X-X(XX) -X*X*X- X

