LIEKKI® Passive系列 无源光纤 Passive-30/250-PM

产品描述:

LIEKKI® 无源光纤经过专门设计和制造，以匹配 LIEKKI® 大模区掺镱光纤的光导特性。这实现了最佳模式耦合和最小熔接损耗，以保持光纤激光器或放大器的所有元件之间的功率和出色的光束质量。高质量的光纤布拉格光栅可以写入所有 LIEKKI® 无源光纤。LIEKKI® 无源光纤有单包层、双包层 (DC)、单包层保偏 (PM) 和双包层保偏配置。

产品特点:

- realNA-精确的光纤纤芯 NA，可实现出色的光纤性能可预测性和最小的熔接损耗
- 与 125、250、400 µm 的行业标准有源光纤几何形状相匹配
- 玻璃包层直径设计为“fit-in”八角形有源光纤
- 从无源光纤到有源光纤的低信号和泵浦耦合损耗
- 单包层光纤具有双涂层高折射率丙烯酸酯涂层
- 双包层光纤具有 NA ≥0.48 低指数氟丙烯酸酯涂层，经证明可在高达 120°C 和极端湿度下工作
- 光纤布拉格光栅可以写入所有大模面积无源光纤

应用领域:

- 光纤激光器和放大器的尾纤
- 全光纤组件
- 高亮度供电
- 用于光纤激光器的基于光纤的组件（例如泵浦合路器；FBG）

型号参数:

LIEKKI® Passive Fiber	纤芯直径[1] ±	包层直径[1] ±	涂覆直径[1] ±	Core NA[2] ±	Cladding NA ≥	双折射率 ≥	验证性试验[3] ≥	匹配有源光纤
Passive-6/125[4]	7	125	245	0.120	-	-	100	Yb300-6/125(-PM)
	0.5	2	15	(nominal)				Yb1200-6/125DC
Passive-6/125DC[4]	7	125	245	0.120	0.48	-	100	Yb1200-6/125DC
	0.5	2	15	(nominal)				
Passive-6/125DC-PM[4]	7	125	245	0.120	0.48	2.0E-04	100	Yb1200-6/125DC-PM
	0.5	2	15	(nominal)				
Passive-10/125	10	125	245	0.080	-	-	100	Yb1200-10/125DC
	1.0	2	15	0.005				
Passive-10/125-PM	10	125	245	0.080	-	1.4E-04	100	Yb1200-10/125DC-PM
	1.0	2	15	0.005				
Passive-10/125DC	10	125	245	0.080	0.48	-	100	Yb1200-10/125DC
	1.0	2	15	0.005				
Passive-10/125DC-PM	10	125	245	0.080	0.48	1.4E-04	100	Yb1200-10/125DC-PM
	1.0	2	15	0.005				
Passive-12/125	12.5	125	245	0.080	-	-	100	Yb1200-12/125DC
	1.0	2	15	0.005				
Passive-12/125-PM	12.5	125	245	0.080	-	1.6E-04	100	Yb1200-12/125DC-PM
	1.0	2	15	0.005				
Passive-12/125DC	12.5	125	245	0.080	0.48	-	100	Yb1200-12/125DC
	1.0	2	15	0.005				
Passive-12/125DC-PM	12.5	125	245	0.080	0.48	1.6E-04	100	Yb1200-12/125DC-PM
	1.0	2	15	0.005				
Passive-20/125	20	125	245	0.080	-	-	100	Yb700-20/125DC
	1.5	2	15	0.005				Yb1200-20/125DC
Passive-20/125-PM	20	125	245	0.080	-	0.8E-04	100	Yb800-20/125DC-PM
	1.5	2	15	0.005				Yb1200-20/125DC-PM
Passive-20/125DC	20	125	245	0.080	0.48	-	100	Yb700-20/125DC
	1.5	2	15	0.005				Yb1200-20/125DC
Passive-20/125DC-PM	20	125	245	0.080	0.48	0.8E-04	100	Yb800-20/125DC-PM
	1.5	2	15	0.005				Yb1200-20/125DC-PM
Passive-12/250	12.5	250	350	0.080	-	-	100	Yb1200-12/250DC
	1.0	5	15	0.005				
Passive-12/250DC	12.5	250	350	0.080	0.48	-	100	Yb1200-12/250DC
	1.0	5	15	0.005				
Passive-14/250	14	250	350	0.070	-	-	100	Yb1200-14/250DC
	1.0	5	15	0.005				
Passive-14/250DC	14	250	350	0.070	0.48	-	100	Yb1200-14/250DC
	1.0	5	15	0.005				
Passive-20/250DC	20	250	350	0.080	0.48	-	100	
	1.5	5	15	0.005				
LIEKKI® Passive Fiber	Core [1]	Cladding [1]	Coating [1]	Core NA [2]	Cladding NA, ≥	Birefringence,	Proof test [3], ≥	Matching Active Fiber
	±	±	±	±		≥		

Passive-20/400 (Yb800)	20	400	520	0.068	-	-	100	Yb800-20/400DC
	1.5	5	15	0.005				
Passive-20/400	20	400	520	0.070	-	-	100	Yb1200-20/400DC
	1.5	5	15	0.005				
Passive-20/400-PM	20	400	520	0.065	-	1.6E-04	50	Yb1200-20/400DC-PM
	1.5	5	15	0.005				
Passive-20/400DC (Yb800)	20	400	520	0.068	0.48	-	100	Yb800-20/400DC
	1.5	5	15	0.005				
Passive-20/400DC (HP)	20	400	520	0.065	0.48	-	100	Yb1200-20/400DC (HP)
	1.5	5	15	0.003				
Passive-20/400DC-PM	20	400	520	0.065	0.48	1.6E-04	85	Yb1200-20/400DC-PM
	1.5	5	15	0.005				
Passive-25/250	25	250	350	0.070	-	-	100	Yb700-25/250DC
	1.5	5	15	0.005				Yb1200-25/250DC
Passive-25/250-PM	25	250	350	0.070	-	1.6E-04	100	Yb700-25/250DC-PM
	1.5	5	15	0.005				Yb1200-25/250DC-PM
Passive-25/250-PM,	20	250	350	0.065	-	1.6E-04	100	Yb700-25/250DC-PM
0.065NA	1.5	5	15	0.005				Yb1200-25/250DC-PM
Passive-25/250DC	25	250	350	0.070	0.48	-	100	Yb700-25/250DC
	1.5	5	15	0.005				Yb1200-25/250DC
Passive-25/250DC-PM	25	250	350	0.070	0.48	1.6E-04	100	Yb700-25/250DC-PM
	1.5	5	15	0.005				Yb1200-25/250DC-PM
Passive-25/250DC-PM,	25	250	350	0.065	0.48	1.6E-04	100	Yb700-25/250DC-PM
0.065 NA	1.5	5	15	0.005				Yb1200-25/250DC-PM
Passive-30/250	30	250	350	0.070	-	-	100	Yb700-30/250DC
	2.0	5	15	0.005				Yb1200-30/250DC
Passive-30/250-PM	30	250	350	0.070	-	1.6E-04	100	Yb700-30/250DC-PM
	2.0	5	15	0.005				Yb1200-30/250DC-PM
Passive-30/250-PM,	30	250	350	0.060	-	1.6E-04	100	Yb700-30/250DC-PM
0.060NA	2.0	5	15	0.005				Yb1200-30/250DC-PM
Passive-30/250DC	30	250	350	0.070	0.48	-	100	Yb700-30/250DC
	2.0	5	15	0.005				Yb1200-30/250DC
Passive-30/250DC-PM	30	250	350	0.070	0.48	1.6E-04	100	Yb700-30/250DC-PM
	2.0	5	15	0.005				Yb1200-30/250DC-PM
Passive-30/250DC-PM,	30	250	350	0.060	0.48	1.6E-04	100	Yb700-30/250DC-PM
0.060NA	2.0	5	15	0.005				Yb1200-30/250DC-PM

1、中规定的芯、包层和涂层直径um

2、real NA

3、kpsi中规定的验证试验水平

4、芯直径规格是指1060 nm处的远场模式场直径