

SPC/F-(6+1)×1, SPC/F-(18+1)×1

High Power Forward Signal & Pump Combiner

PRODUCT DESCRIPTION

High power signal and pump combiner are the core optical components of industrial high power fiber lasers. GT Lasers SPC/F-(6+1)×1, SPC/F-(18+1)×1 forward pump combiner, with extremely low signal and pump insertion loss, low power temperature coefficient, high stability, high reliability, suitable for various applications of high power fiber lasers.

PRODUCT FEATURE

- ▶ Low signal insertion loss
- ▶ High pumping efficiency
- ▶ High power handling capacity
- ▶ High stability, high reliability

MAIN APPLICATION

- ▶ High power fiber laser
- ▶ High power optical amplifier
- ▶ Scientific research



TECHNIQUE INDEX

Performance			Index			Supplement	
			Min.	Typ.	Max.		
Optical feature	Signal wavelength	(nm)	1000	1080	1100		
	Pump wavelength	(nm)			1000		
	Signal insertion loss	(dB)		0.2	0.3	Type M	
	Insert loss of red light source	(dB)			2.0	Type R	
	Pump power	(6+1)×1	(W)	300			Pump Fiber 105, 106.5, 135
				600			Pump Fiber 200, 220
		(18+1)×1	(W)	150			Pump Fiber 105, 106.5
				200			Pump Fiber 135
	Pump Efficiency	(6+1)×1	(%)	97			
		(18+1)×1		96			
Polarization			Random				
Operating mode			Continuous				
General feature	Fiber length	(m)		1.5			
	Operating temperature	(°C)	0		70		
	Storage temperature	(°C)	-40		+85		
	Size(L)x(W)x(H)	(mm)	150 × 15 × 12				

Application Drawing



