

CPR Series

Fiber Optic 1x2 Coupler/Splitter

CPE/Premise Wiring

FTTx

MDU

PON

CPR51X2-50/50

CPR91X2-50SASA01M

CPR21X201-SASA01M

The CPR is a singlemode 1x2 fused bionic tapered bidirectional coupler/splitter. Optical power is combined or split with a variety of power ratios for use in PON, CATV, and network monitoring. Packaging options include light duty 250 for splicing in a splice tray, 900um medium duty for splicing or termination, and heavy duty 2mm for jumper applications.

KEY PRODUCT BENEFITS

- ▶ Available in bare fiber, terminated 900µm, 2mm and 3mm
- ▶ Low loss and PDL
- ▶ Multiple packaging and termination options
- ▶ Variety of split ratios available

INDUSTRY STANDARDS

- ▶ GR-1209, GR-1221, GR-326
- ▶ G.652.D
- ▶ RoHS Compliant



Tii Technologies Inc.

Corporate Headquarters:

141 Rodeo Drive
Edgewood, NY 11717

Phone: 631.789.5000

Fax: 631.789.5063

Toll Free: 888.844.4720

sales@tiitech.com

CPR Series

Parameters	Units	5/95	10/90	20/80	30/70	40/60	50/50
Operating Wavelength	nm	1310 and 1550 ±40nm					
Insertion Loss, Max	dB	15.5/0.045	11.3/0.65	7.85/1.25	6.0/2.0	4.7/2.7	3.6
Directivity, Min	dB	55					
PDL, Max	dB	0.20/0.10	0.15/0.10	0.15/0.15	0.15/0.15	0.15/0.15	0.15/0.15
Return Loss, Min	dB	55					
TDL at 5~70 C Max	dB	0.15					
Operating Temp.	C°	-40 to +85					
Fiber	µm	Singlemode G652D					
Dimensions	mm	250µm & 900µm 3.0φ x 54 L					
Dimensions Legs	mm	2 & 3mm ABS Box 90x20x10					

ORDERING INFORMATION

BARE FIBER

CPR	—X	1 X 2	—XX/XX
	Fiber	Splitter Type	Split Ratio
	5 = 250µm		05/95
	9 = 250µm		10/90
			20/80
			30/70
			40/60
			50/50

TERMINATED

CPR	—X	1 X 2	—XX/XX	—XX	XX	XX	X
	Legs	Splitter Type	Split Ratio	Input	Ouput	Length	UOM
	9 = 900µm		10/90	LC = LC	LC = LC	01	N = Inch
	2 = 2mm		20/80	SC = SC	SC = SC	(2 digit # leading with zero)	F = Feet
			30/70	SA = SC APC	SA = SC APC		C = CM
			50/50				M = Meter