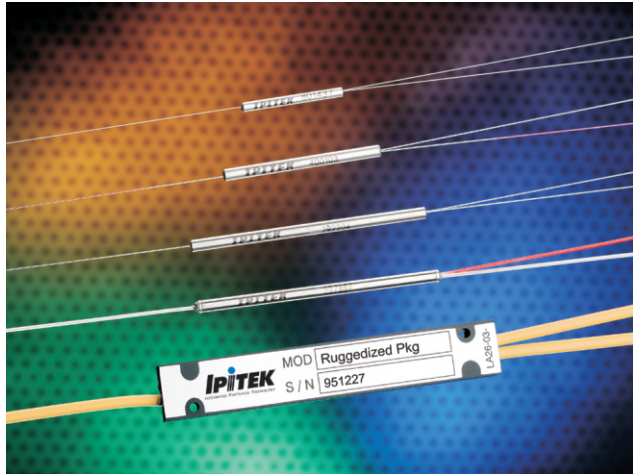


DUAL WINDOW BROADBAND COUPLERS

1310 & 1550nm, 80nm PASSBAND, 1x2, 2x2

FEATURES:

- 1310 and 1550 nm operating wavelength
- Low insertion loss
- 100%, full passband testing
- Standard 5% split ratio increments
- 1% - 5% tap couplers
- Custom specifications, fibers, and configurations on request
- 1xn and mxn splitters available- for more information please contact IPITEK



IPITEK's broadband couplers/splitters are used to take the signal bearing light in a single fiber and distribute it to two or more fibers. Split ratios can be selected from even split (50/50) to very lopsided splits, such as a 1% tap (1/99.)

Fiber Type:	Single mode Corning SMF 28
Pigtail Length:	1.0m (standard 250 μ m buffer) 0.5m (900 μ m loose tube) 0.5m (3 mm kevlar)
Port Configuration:	1x2, 2x2
Passband:	1310 & 1550 (+/- 40 nm)
Directivity:	> 55 dB (1x2) > 65 dB (2x2)
Polarization Stability:	+/- 0.1 dB over all SOP
Temperature Range:	
Operational	-40 C to +85 C
Storage	-50 C to +85 C
Temperature Stability	+/- 0.1 over temp range

MAXIMUM INSERTION LOSS				
		Split Ratio Thru / Tap	Thru IL (dB)	Tap IL (dB)
TAP COUPLERS		99 / 01	0.2	23
		98 / 02	0.3	20
		97 / 03	0.3	18
		95 / 05	0.4	14.9
		90 / 10	0.6	11.3
		85 / 15	1.0	9.2
		80 / 15	1.2	7.9
		75 / 25	1.6	6.8
		70 / 30	1.9	6.0
		65 / 35	2.3	5.3
		60 / 40	2.7	4.7
		55 / 45	3.2	4.1
		50 / 50	3.5	3.5

ORDERING INFORMATION

I	P	-	C	3	*	*	*	T	*	*	*	*	-	S	*	P	*	*	
Jacket or Buffer Type				Split Ratio				Port Configuration				Package				Connector			
S = Standard 250 μ m L = 900 μ m loose tube 3 = 3mm kevlar				Specify 01% - 50% for tap port				0102 = 1x2 0202 = 2x2				1 = 60 mm tube 2 = 62 mm tube* R = Ruggedized C = Cassette *use with 900 μ m buffer				00 = none S1 = SC-UPC S3 = SC-APC F1 = FC-UPC F3 = FC-APC T1 = ST E3 = E-2000 L1 = LC-UPC			
<p>Contact your IPITEK customer service representative for custom specifications.</p> <p>Please note: Not all combinations of packaging options are possible. For splitters in modules please also reference our Packaging Data Sheet.</p>																			

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