

The C1315 Fiber Optic Couplers are made to high quality standards. We test to ensure that low insertion loss and high reflectance standards are met before each shipment to our customers.

Packaging Options – RCC can supply your fiber optic couplers in a variety of packaging options. Please see the build listing information section for further packaging information.

Split Ratio / Typical Insertion Loss Information

RCC has listed the Split Ratio's & Insertion Loss to the right of this paragraph.

Custom Options

Please contact RCC Sales for more information regarding any custom configurations of the C1315 product !

Insertion loss (dB) / Split ratio information

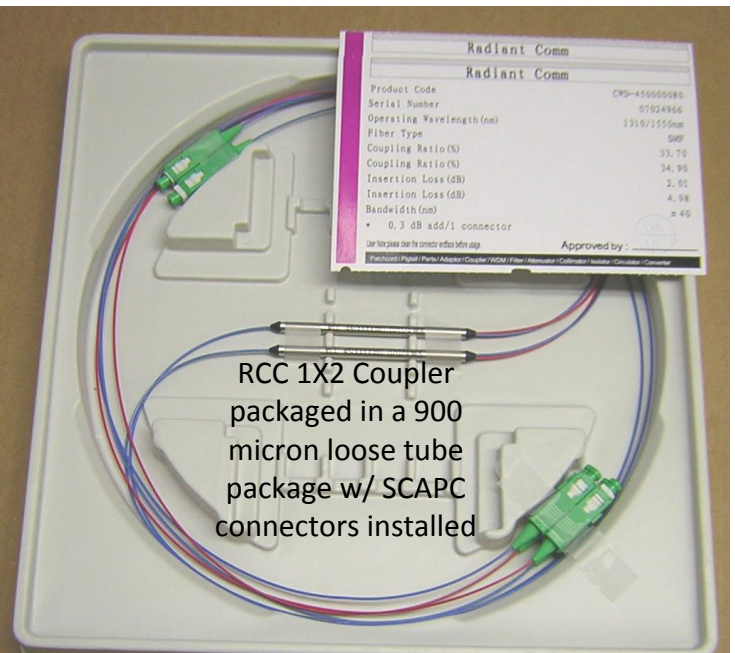
| <u>1x2</u> | <u>Typical loss</u> | <u>Max loss</u> | <u>Uniformity</u> |
|------------|---------------------|-----------------|-------------------|
| 50% | 3.4 | 3.7 | 0.7 |
| 45% | 3.9/3.1 | 4.1/3.2 | |
| 40% | 4.5/2.6 | 4.7/2.7 | |
| 35% | 5.1/2.2 | 5.3/2.3 | |
| 30% | 5.8/1.9 | 6.0/2.0 | |
| 25% | 6.5/1.5 | 6.8/1.6 | |
| 20% | 7.6/1.2 | 7.8/1.3 | |
| 15% | 9.0/0.95 | 9.2/1.0 | |
| 10% | 10.6/0.75 | 11.2/0.8 | |
| 5% | 14.0/0.45 | 14.4/0.5 | |
| 1% | 21.0/0.35 | 22.0/0.5 | |

| <u>1xN</u> | <u>Typical loss</u> | <u>Max loss</u> | <u>Uniformity</u> |
|------------|---------------------|-----------------|-------------------|
| 1x3 | 5.8 | 6.4 | 1.0 |
| 1x4 | 6.6 | 8.6 | 1.3 |
| 1x5 | 7.8 | 8.6 | 1.5 |
| 1x6 | 8.2 | 9.5 | 1.7 |
| 1x7 | 9.2 | 10.5 | 1.9 |
| 1x8 | 10.0 | 11.1 | 2.1 |
| 1x9 | 10.5 | 11.6 | 2.2 |
| 1x10 | 11.0 | 12.0 | 2.3 |
| 1x12 | 12.2 | 13.2 | 2.6 |
| 1x16 | 13.5 | 14.8 | 3.0 |

(all readings are for singlemode assemblies, minus installed connectors)



RCC 1X2 Coupler packaged in a rugged cartridge w/ SCAPC connectors installed



RCC 1X2 Coupler packaged in a 900 micron loose tube package w/ SCAPC connectors installed

RCC C1315 Fiber Optic Coupler

C1315 Fiber Optic Coupler Build Information

Coupler Identifier

C1315 – 1310 & 1550 nm Single mode

Coupler Port Identifier

2 – 1x2 Split ratio 3 – 1x3 Split ratio
4 – 1x4 Split ratio 5 – 1x5 Split ratio

Coupler Split Ratio Identifier

EQ – Equal splits for 1x2, 1x3, 1x4, etc.
50 – Equal split for 1x2 40 – 40/60 split for 1x2
30 – 30/70 split for 1x2 20 – 20/80 split for 1x2
10 – 10/90 split for 1x2 5 – 5/95 split for 1x2

Packaging Information

RC – Ruggedized Component LG – LGX cartridge
9C – 900 Micron loose tube UC – 250 Micron
CC – Coupler installed in RCC 3RU Card Cage Unit
1U – Coupler installed in RCC 1U Rack

Desired Connector types to be installed on Coupler

A = SCAPC E = SCUPC
F = LCUPC G = LCAPC

