



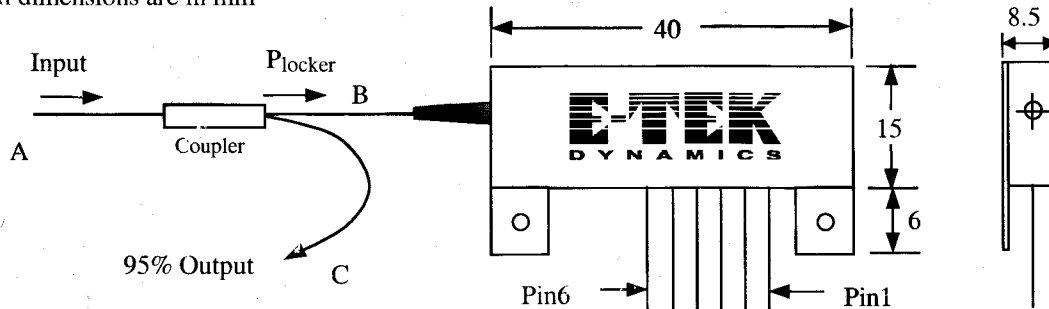
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Fabry-Perot Wavelength Locker Integrated Module + Tap Coupler 100GHz Grid Final Test

Order No.: 1013618
 Model No.: FPWL2110SYC02
 Serial No.: 32009632

Package Dimensions

All dimensions are in mm



Electrical pin out:

- Pin1 - PD2 anode(+)
- Pin2 - PD1 anode(+)
- Pin3 - Common, (PD1 and PD2 cathode)
- Pin4 - Temp. sensor supply voltage(+)
- Pin5 - Temp sensor monitor
- Pin6 - GND

Connector: SC/UPC

Locker Optical Performance:

Temperature Wavelength Shift Test

Temperature	Wavelength drift (pm)	Spec	Accuracy (GHz)	Spec
0°±3°C	5	<20	0.64	<±2.5
23°±3°C	0	<20	0	<±2.5
70°±3°C	-3	<20	-0.34	<±2.5

Photo detector Calibration Offset $\alpha = 10 \log I_{PD2} / I_{PD1} = 0.24 \text{ dB}$ $R = I_{PD2} / I_{PD1} = 1.06$

Measured at ITU 40 (1545.3219nm); Input Power, $P_{locker} = 0.10 \text{ mW}$

Coupler: (S/N: F701104807)

Signal Channel Insertion Loss (w. connector)(A⇒C): 0.47 dB
 Tap Channel Insertion Loss (to FPWL)(A⇒B): 12.89 dB
 Return Loss (w. connector), @ITU 40(1545.3219nm): 52 dB

Test: *Kevin Chung*
 Date: *7-31-00*

Check: *[Signature]*
 Date: *7-31-00*

Q.A:
 Date:

