

Features:

- fiber-to-fiber optical gain of up to 25 dB
- output power of up to 13 dBm
- -3 dB optical gain bandwidth of up to 75 nm

Package: Butterfly (DBUT)

Additional & customized:

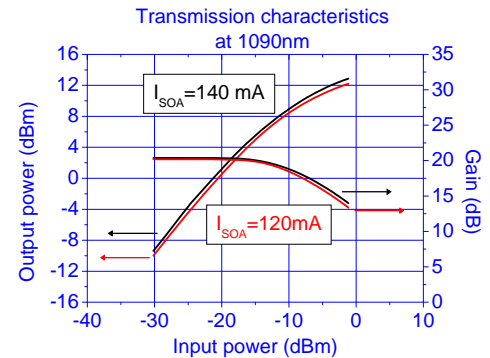
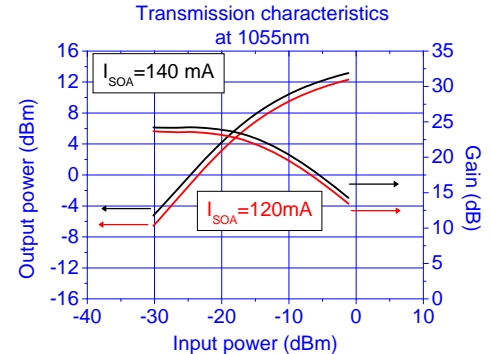
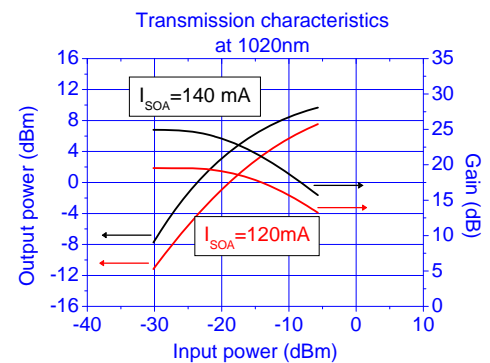
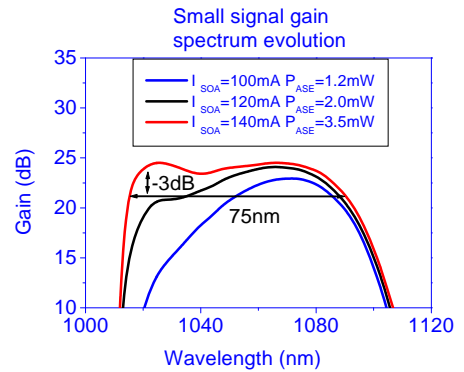
- PM fiber pigtails
- FC/APC terminated pigtails

Specifications

(nominal stabilization temperature +25 °C)

Parameter	Min.	Typ.	Max.
Forward current, mA	-	-	220
Forward voltage, V	-	-	2.5
Output optical power, dBm	-	-	13.0
Central wavelength λ_c , nm	-	1060	-
-3 dB optical gain bandwidth, nm	-	75	-
Gain ripple, dB	-	< 0.1	-
Small signal gain, dB	-	-	25
Polarization dependent gain, dB	-	7.0	-

PERFORMANCE EXAMPLES



The following part numbers should be used when **ordering**:

SOA-542-(a)-(b),
where:

a – package type (DBUT),
b – fiber type (SM or PM).

Example: SOA-542-DBUT-SM.

All specifications are subject to change without notice.

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Performance examples (continued)

POWER BOOSTER PERFORMANCE EXAMPLES
 Output spectra at $P_{input}=2.0mW$, spectral $FWHM_{input}=0.06nm$

