

Features:

- fiber-to-fiber optical gain of more than 30 dB
- output power of up to 17 dBm
- -3 dB optical gain bandwidth of up to 25 nm

Package: Butterfly (DBUT)

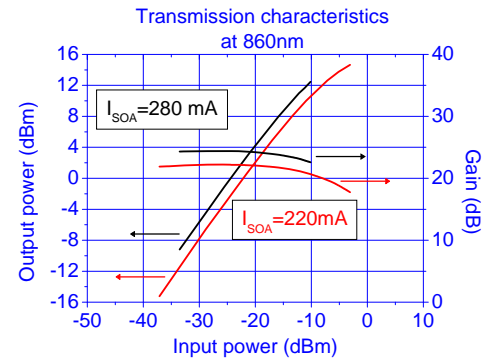
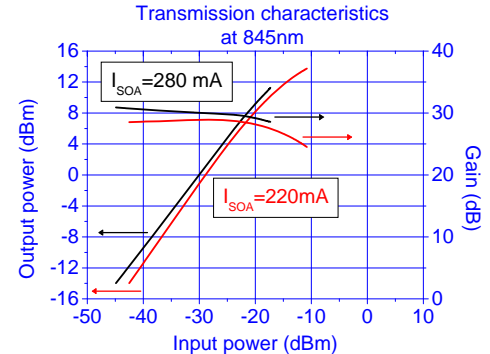
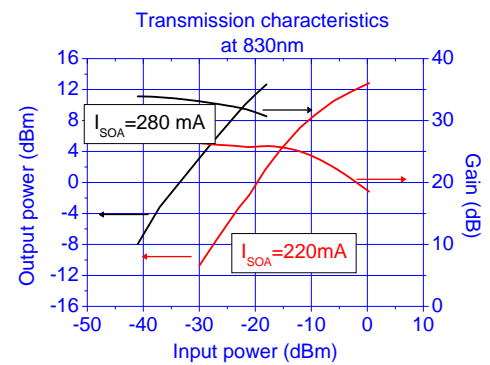
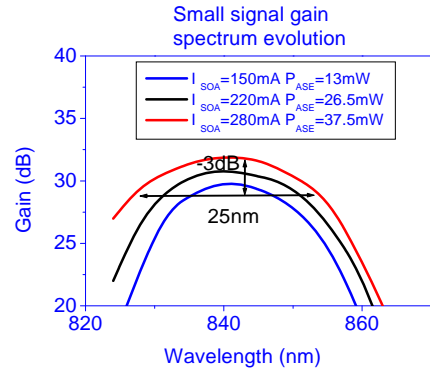
Additional & customized:

- PM fiber pigtails
- FC/APC terminated pigtails

Specifications
(nominal stabilization temperature +25 °C)

Parameter	Min.	Typ.	Max.
Forward current, mA	-	-	300
Forward voltage, V	-	-	2.3
Output optical power, dBm	-	-	17.0
Central wavelength λ_c , nm	-	840	-
-3 dB optical gain bandwidth, nm	-	25	-
Gain ripple, dB	-	< 0.1	-
Small signal gain, dB	-	30	-
Polarization dependent gain, dB	-	7.0	-

PERFORMANCE EXAMPLES



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

SOA-382-840-(a)-(b),
 where:
 (a) – package type (DBUT),
 (b) – fiber type (SM or PM).

Example: SOA-382-840-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 $FWHM_{input}=0.03nm$

