

Model Number: **TDFA-CW-1940-RS-30-27-FCA**

Product Code: **1709**

Micro Processor Controlled



Specifications:

Parameters	Specifications
Wavelength Range	1910 – 1940 nm
Gain Flattening Filter	Not included
Output Power	+30 dBm, tested with 1940 nm, +3 dBm input
Gain	27 dB, tested with 1940 nm, +3 dBm input
Optical Input Fiber	900um loose tube, FC/APC, blue, 1 meter, SM1950
Optical Output Fiber	900um loose tube, FC/APC, red, 1 meter, SM1950
Input Power Monitoring Range	-5 dBm to +5 dBm
Output Power Monitoring Range	+20 to +31 dBm
Input Power Measurement Accuracy	≤ +/- 0.5 dB, 1940 nm
Output Power Measurement Accuracy	≤ +/- 0.5 dB, 1940 nm
Control and Communication Interface	RS-232, RS232 Voltage Level
Dimension	274 x 130 x 49 mm
Power Input	+24 VDC +/- 5%
Electrical Interface Connector	PN: 173-E25-113R001 Male 25-PIN
Operational Case Temperature Range	0 to +60 °C
Mode of Operation	ACC (constant pump current control)



日本デバイス株式会社

E-mail sales@j-device.com

www.j-device.com

Tel 03-6262-3424 Fax 03-6800-5883

Proprietary Information of Nuphoton Technologies

Manufactured in the USA

info@nuphoton.com

+1-(951)-696-8366

+1-(951) 696-8394

Electrical connector:

Part number: 173-E25-113R001

Pin No.	Description	Pin No.	Description
1	24V Vin	14	24V Vin
2	24V Vin	15	24V Vin
3	GROUND	16	GROUND
4	GROUND	17	GROUND
5	COMMON ALARM OUT	18	CUSTOMER LASER EN/DIS
6	BOOSTER CURRENT ALARM OUT	19	CASE-INPUT POWER ALARM OUT
7	GROUND	20	LASER STATUS OUT
8	GROUND	21	GROUND
9	GROUND	22	RS232 RX
10	RS232 TX	23	GROUND
11	GROUND	24	ANALOG GROUND
12	ANALOG GROUND	25	BOOSTER ANALOG CURRENT SET
13	CASE TEMP OUT		



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