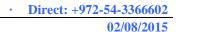
ARIEL Photonics Assembly LTD, a subsidiary of ARIEL Photonics Inc.

Data Sheet

4 Ha'Ma'ayan St. · LIGAD Center 2 Bldg. · Lobby Floor · Modi'in 71700 · ISRAEL





FIBER LASER TORRENT-1070-15-SM-CW/QCW



- *Wavelength 1070nm
- *Rated Power >15W
- *Short rise time <50μs

FEATURES

Low Noise: RMS <1.0 %

PC Control: Current / Power Mode

Lifetime > 10000 hours (Expected)

Good Power Stability: < ±1.0 %

Power Modulation: 0~100 % @ 5KHz

CW/QCW Operation

Air Cooling

APPLICATIONS

Micro Processing, Marking

Soldering, Welding

Imaging,

Sensing, Measurement

Printing (CTP)

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Data Sheet

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FIBER LASER SPECIFICATIONS MO D E L TORRENT 1070-SM-CW/OCW

ITEM	SPECIFICATION	NOTE
MODE OF OPERATION	CW/QCW	0 - 5KHz
WAVELENGTH (nm)	1070	
RATED POWER (W)	>15	AT END OF FIBER
BEAM QUALITY M ²	<1.3	
LINEWIDTH (nm)	<1	
WARM-UP TIME (minutes)	<1	>90% RATED POWER
POWER STABILITY (STD,%/8hour)	<1	At 25°C constant
POWER STABILITY (STD, %)	<5	10-50°C
OUTPUT FIBER DELIVERY CABLE	SM 10um NA0.08	FC/APC Connector
FIBER CABLE LENGTH (m)	5	Armored Stainless Steel PVC coated
LIFE (hour)	>10000	>70% RATED POWER
ENVIRONMENTAL CONDITION, (OPERATION)	TEMP. 10~50 (°C) HUMI. <90%RH	
ENVIRONMENTAL CONDITION (STORAGE)	TEMP10∼60 (°C) HUMI. <90%RH	
VIBRATION RESISTANCE (OPERATION)	0.2G (15-200Hz)	IEC60068-2-64
VIBRATION RESISTANCE (STORAGE)	2G (15-200Hz)	IEC60068-2-64
SHOCK RESISTANCE	15G, 11msec	During transportation
INPUT VOLTAGE / FREQUENCY	90-264V , 48-62Hz	
DIMENSIONS	2U 19" RACK	
COOLING (USING INTERNAL FANS)	FORCED AIR	
LASER SAFETY CLASS	IV	
APPLIED STANDARDS	IEC60825-1/2007-03 IEC61010-1/2010-03 FDA 21 CFR Part 1040.10(CDRH)	

Specifications in this document subject to change without notice.

※1 : Non-Condensing **※**2 : During Transportation











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