



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



*** Wavelength 1070nm**

*** Rated Power >15W**

*** Short rise time <50 μ s**

FEATURES

Low Noise: RMS <1.0 %
PC Control: Current / Power Mode
Lifetime > 10000 hours (Expected)
Good Power Stability: < \pm 1.0 %
Power Modulation: 0~100 % @ 5KHz
CW/QCW Operation
Air Cooling

APPLICATIONS

Micro Processing, Marking
Soldering, Welding
Imaging,
Sensing, Measurement
Printing (CTP)



FIBER LASER SPECIFICATIONS MODEL TORRENT 1070-SM-CW/QCW

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)	TEMP. -10~60 (°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



LASER RADIATION-AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION
 Yb FIBER LASER
 WAVELENGTH 1064nm
 MAX. CW POWER 100W
 CLASS IV LASER PRODUCT



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