

MegaJOULE™ Physical Specifications	
Package	Individual fiberboard carton with label
Sterile pouch	Mylar/paper or Mylar/Tyvek with label
Fiber coil restraint	Coated fiberboard card coil carrier w/ straight working section
Fiber total length	3 meters
Fiber core, diameter	Low [OH-] fused silica, 0.660 millimeters
Fiber cladding, diameter	Fluorine-doped fused silica, 726 millimeters
Secondary cladding, diam.	Fluoroacrylate, 0.760 millimeters
Jacketing, diameter	Blue ETFE, 1.2 millimeters
Working length, diameter	Variable, up to 44 centimeters @ 1.8 millimeters
Control device	Movable polymer pin vise
Laser Connector	SMA 905 with blue anodized extension sleeve
Strain relief/bend limiter	Layered polyolefin heat shrink and a Santoprene rubber boot
Output capsule	Fused quartz, 2.15 millimeters @ 14 millimeters long

MegaJOULE™ Performance Specifications	
Output angle	Centered on 80 degrees off the fiber longitudinal axis
Output divergence ½ angle	7.5 degrees, nominal, 12 degrees maximum
Output spot diameter	~1.0 millimeters
Compatible channel	7.5 French
Maximum pulse energy	3.5 joules
Maximum CW power	200 watts
Laser compatibility	Any laser with a compatible fiber port @ 500nm to 2200nm
Typical surgical lifetime	In excess of 600,000 joules

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