

Mounting for model 05-01 lasers for direct attachment of fiber couplers

Fiber coupling options are available for all visible Cobolt lasers. The option FIC-04 described here is recommended for lasers of model 05-01 when a good heatsink is required. This option consists of a heatsink/mounting plate with a fan under for the laser and a coupling block to mount the fiber coupler onto. Fiber coupling options for either multimode fiber (MM) or singlemode polarization maintaining (SM/PM) fiber can be supplied. This FIC-04 is also available with no fiber coupling for customers who already have a coupling solution.

To ensure operation within given specifications and for the warranty to be valid, the Laser Head must be attached to a heatsink providing good thermal resistance and it is recommended to use a thermal heat compound between the laser head and the heat sink to provide good thermal contact. The heatsink is designed to accommodate all Cobolt laser footprints and can be bolted to a standard metric optical table.

Specifications

Cobolt Model number	FIC-04	
Thermal resistance (with fan)	0.25 K/W	
Material	Aluminium	
FIC-04 is suitable for use with laser models 05-01:	Cobolt Zouk™ 10mW Cobolt Samba™ 0.5W Cobolt Samba™ 1W Cobolt Rumba™ 0.5W Cobolt Rumba™ 1W Cobolt Rumba™ 2W	
Dimensions	[mm] [inches]	200 x 102 x 97 8 x 4.1 x 3.88

Dimensions [mm]

