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PRODUCT CHANGE NOTIFICATION

Document Reference: SM-D00085

Product Group: JK CW

Effective Date: 1st March 2018

CONTENTS

Products Affected

JK F3 Lasers, of part number format JKXXXF3-XXXX-XXXXXXX

JKF4 Lasers, of part number format JKXXXXF4-XXXX-XXXXXXX

Scope

This change notification is to address the resolution to a product performance over laser lifetime issue. SPI in partnership with the fibre and fibre bragg grating (FBG) suppliers determined that the root cause of a potential reliability concern is the fibre coating on two short lengths of fibre inside the laser. SPI worked with both the fibre and FBG supplier to revert to the original fibre coating (pre-2015) which previously has shown no reliability issues associated with the FBG component.

Change Details

New part numbers have been created for the FBG components. These will be fitted to all lasers from the effective date of this PCN.

Change of Fit, Form or Function[1]

No customer facing documentation is affected by this change.

There is no impact on fit, form or function to the product as delivered by SPI Lasers because of this change except for an improvement in reliability due to an elimination of any long term power loss in use.

Verification

The FBG supplier has performed testing on multiple lengths of fibre and can confirm robust performance compared to current version of fibre coating.

Please sign below to indicate your agreement to this change, and return to Lisa Daykin: lisa.daykin@spilasers.com

Date:	Signature:	Print name:	Title:

Note 1: Definitions

Fit. The ability of an item to physically interface or interconnect with or become an integral part of another item.

Form. The shape, size, dimensions, mass, weight, and other visual parameters which uniquely characterize an item. For software, form denotes the language and media.

Function. The action or actions which an item is designed to perform, and includes requirements both stated and not stated by the customer. This includes reliability.