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**Cooper Electronic Technologies,**  
*a business unit of*



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Subject: **Using 6125FF instead of 6125FA**

To Whom It May Concern:

Bussmann has recently introduced the 6125FF Brick™ Fuse. This new offering provides significant inrush performance advantages as highlighted below. It also utilizes the same reliable construction (spiral wound element in air) as our 6125TD Brick™ Fuse meaning shorter lead times, lower costs, and more competitive pricing. We strongly encourage all customers to switch to this fuse in all applications in which you are previously using the 6125FA product.

**Form, Fit, Function**

The 6125FF is identical in length to the 6125FA (6.1”) and the recommended land pattern for both fuses is identical. This means that the 6125FF will be an exact form/fit replacement to the 6125FA.

While electronic fuse specifications are rarely exact, the 6125FF and 6125FA are functionally very similar across the key performance characteristics. The following bullets highlight the similarities and differences of the two parts.

- Opening Time - Both are fast-acting and share the same opening characteristics:

<b>% of Amp Rating</b>	<b>Opening Time</b>
100%	4 Hours Minimum
200%	5 Seconds Maximum

- Voltage - Both devices have a breaking capacity of 50A at 125VAC. The 6125FF has a 72VDC rating while the 6125FA carries an 86VDC rating.
- I<sup>2</sup>T - The 6125FF offers superior I<sup>2</sup>T for all ratings. The higher inrush withstand is the primary performance advantage over the 6125FA as it allows for higher resistance to nuisance openings
- Environmental Testing – both fuses are designed to MIL-STD-202
- Soldering Method – Identical soldering performance. Please consult datasheet for details
- Resistance – 6125FF values are generally higher. Please consult datasheet for details
- Voltage Drop – 6125FF values are generally higher. Please consult datasheet for details

The 6125FF Series Brick™ fuse is available immediately. The data sheet for the 6125FA Series and 6125FF Series Brick™ fuse may be found on our web site ([www.cooperbussmann.com](http://www.cooperbussmann.com)).

Thank you,

Steve Dawson  
Product Manager - Circuit Protection  
**Cooper Electronic Technologies, a business unit of Cooper Bussmann**