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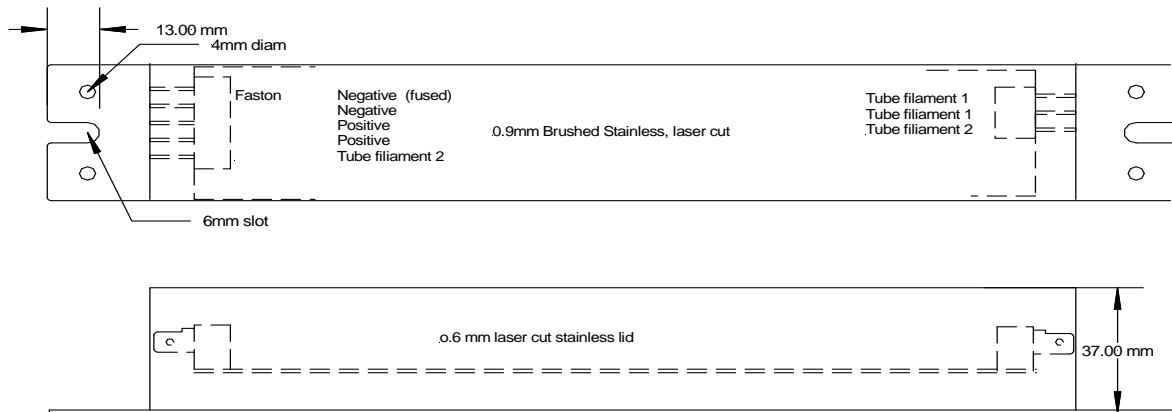
Designed and Manufactured in Australia

**PRODUCT  
SHORTFORM**

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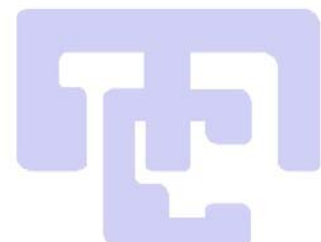
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## Fluorescent Lighting Inverter



The Fanden fluorescent lighting inverter type F110-20/40w is designed expressly for use in the high vibration, high electrical transient and high ambient temperatures found in railway applications. The lamp drive circuits are designed to operate the tube as the manufacturer intended; that is at a constant alternating current fed to the arc, after the tube has struck. This eliminates the tube blackening and resultant short tube life found in some cheap lamp drivers. Some features are:

- 100 °C ambient allowed. No electrolytic capacitors are used, only polypropylene.
- 80 to 140 V DC operating range.
- Drives either a single 20 Watt or 40 Watt tube.
- Inductor, Varistor, capacitor transient clamping. Transients to SRANSW No. 2000/0112 FE126-97 Section 2.2.2.
- Constant current, high frequency (100KHz) inaudible Power MOSFET AC inverter.
- High rupture strength 1 amp HRC ceramic fuse fitted internally.
- Reverse polarity protection.
- High vibration resistant construction.
- Stainless steel case, flush mounting base.
- Same mounting centers as existing units in service.
- Faston (6mm spade) connections. Same pin sequence as existing units in service
- Efficiency 90% typical (40 w lamp load).



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