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Andrew Shorley
Product compliance
RS Components

10th October 2005

Reference: PS2126 and PS2127 regulation

Part numbers: PS2126 and PS2127

Fault found:

Negative output regulation out of specification

Observations:

With an input of 207V – 253V, 50Hz, under no load conditions, the -12V output (PS2126) and -15V output (PS2127) rises above 0.05% regulation. The positive outputs are within this tolerance.

Cause:

The data sheet for the L7900 series of regulators (e.g. published by ST Microelectronics) state the load regulation between 5mA and 1500mA.

Modifications:

A 2k2 resistor is now fitted across the output of the negative regulator to draw a minimum of 5mA on both the PS2126 and PS2127 power supplies.

Parts affected:

PCB (PB046) raised to issue 3

2k2 resistor (RS016) added to B.O.M.

Change affects all power supplies manufactured after 10th October 2005 (OEP date code T41).

Product Change Note numbers:

PS2126: 3749

PS2127: 3750

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