



EC TYPE-EXAMINATION CERTIFICATE VARIATION

CERTIFICATE NUMBER Sira 02ATEX2297X Dated 27 May 2003
Latest issue 30 June 2004

VARIATION NUMBER 2 (TWO) Dated 27 June 2007

VARIATION TO EQUIPMENT

To permit:

- 1 The redesign of the circuit diagram as a result of several components becoming obsolete, in consequence, the tracking of the main PCB has been re-laid.
- 2 The maximum input power to be increased from 1.07 W to 1.2 W.
- 3 The safety description of the Mercury 2 to be amended as follows thereby reflecting the increase of input power and a change of Ci:

J5 Pins 1,2, 3 and 4

Ui = 19.34 V Ii = 254 mA
Uo = 1.2 V Pi = 1.2 W
Ci = 1.2 nF
Li = 0

J1 Pins 1, 2, 3, 4 and 5

Uo = 29.4 V Ci = 0
Io = 66.4 mA Li = 0
Po = 262 mW
Co = 71 nF
Lo/Ro = 135 μ H/ Ω

- 4 The maximum certified ambient temperature to be increased from +50°C to +60°C, the maximum surface temperature for dust is therefore raised from (62°C) to (72°C) and the product marking becomes:



II 1G
II 2 GD (T72°C) IP6X
EEx ia IIC T4 Ta = -20°C to +60°C

DESCRIPTIVE DOCUMENTS

Number	Sheet	Rev	Date	Description
P503'013'F	1 to 3	0	01 Nov 06	Parts List
P503'046'E	1 of 1	0	15 May 07	Top Copper (No Planes)
P503'047'E	1 of 1	0	15 May 07	Bottom Copper (No Planes)
P503'012'D	1 of 1	0	14 May 07	Mercury 2+ Schematic
P503'041'E	1 of 1	0	15 May 07	Component Overlay
P503'042'E	1 of 1	0	15 May 07	Top Copper
P503'043'E	1 of 1	0	15 May 07	Bottom Copper
R004'016'E	1 of 1	5	14 Jun 07	Label

ADDITIONAL CONDITIONS OF CERTIFICATION

None

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