

Service Note 303

Problems on TC1280 with too high or to low gain in some cases freq. depended:

IMPORTANT: This problem concern only TC1280 with s.no. from 120421 to 120611.

After installing our new flow-solder machine some time in December 1991, the "flux" problems disappeared completely. However, we discovered some time in January 1992 that "styroflex" capacitors were over-heated in the new machine. Changes in production were established immediately after discovering the problem, and since then, we have not had one single damaged styro-capacitor.

The errors will typically show as (in some cases freq. depended) too high or too low gain. The caps will typically short-circuit. So if you have that kind of problem I think it is caused by one or more styroflex-capacitors that short circuit on the main-PCB (PC2201-x) or/and on the converter-PCB (2902-02).

The problem will probably be with the following capacitors:

TC1280:

main-PCB	C105, C125, C221, C241.
converter-PCB	C202, C205, C208, C209, C302, C303, C305.

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