

μ PC3239TB-EVAL-A

Evaluation Board

- Circuit Description
- Circuit schematic and assembly drawing

Circuit Description

The circuit schematic and assembly drawing are shown on the next pages.

The uPC3239TB is a broad band device and does not require external matching circuits.

C1 and C2 are the input and output DC block capacitors respectively. The value for C1 and C2 is chosen for reasonably good return loss over a wide frequency range. For a narrow band application the input or/and output return loss might be improved for certain frequency range by changing the value of C1 or/and C2.

L1 is used as an RF chock. C4 and C5 are general purpose bypass capacitors on DC lines.

A section of trace between locations of C4 and C5 is for connection only and its length is not critical to performance.

The PCB is 28mil thick Getek. The dielectric constant is 4.2.