



EPPL COMPONENT

Originator: Lars Gregersen

Status: CLOSED

Company: UMS

Accepted: 2013-06-21

EPPL Part: 2

Group: MICROCIRCUITS

Subgroup:

MICROWAVE MONOLITIC
INTEGRATED CIRCUITS
(MMIC)

Part type:

PPH25X-10

Description:

0.25 μm Power P-HEMT process Application in Power Amplifiers C to K band Absolute Maximum Ratings (AMR) for PPH25X-10:- Drain to Source Voltage: $V_{ds} = 9.5\text{V}$ (VSWR max of 2 and 3dBc)- Gate to Drain Voltage: $V_{gdmax} = -11.5\text{V}$ - RF Compression = 7dB ($V_{ds} = 8.0\text{V}$ and VSWR of 3)- Gate to Source Voltage: $V_{gs} = -3.0\text{V}$ yum

Detail spec:

Package: N/A

Manufacturer: UMS

APPROVAL STATUS

Qualification: Others

Other:

Highest screening level (MIL): No Qualification

Evaluation programmes or other approvals:

Former space usage:

PREVIOUS PROCUREMENT AND TEST DATA

Test data (Evaluation, Lot acceptance, DPA, MIL QCI/TCI, ...):

RADIATION HARDNESS DATA

Total dose effects:

Displacement damage:

Single event effects (SEL/SEU/SET/SEFI/SEB/SEGR/others):

REMARKS

SEE Radiation: PPH25X-10 tested in DC+RF up to 8dB of Gain Compression: No evidence of sensitivity to Heavy Ions.TA20: Max ratings should be in conformance with the application