Ordering number : ENN6463 2001A供应商



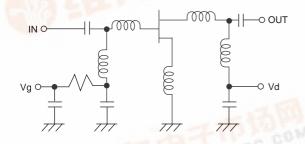
SPM2001A

GaAs MMIC For 1.9GHz PHS Transmitting Amplifier

Features and Applications

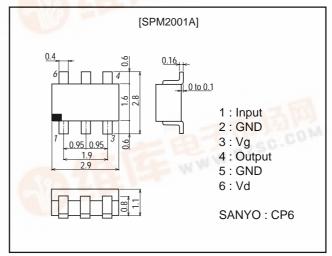
- · Best suited for a driver stage of PHS transmitting amplifier.
- Power supply voltage: ±3V, high linearity.
- · Plastic mold package CP6 applicable to surface mounting and automatic inserting.

Equivalent Circuit



Package Dimensions

unit: mm 1299



Specifications

Absolute Maximum Ratings at Ta=25°C

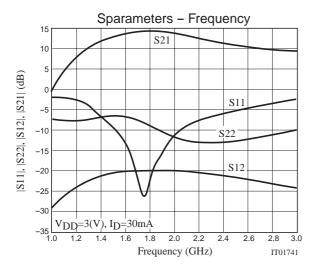
Parameter	Symbol	Ratings	Unit
Power Supply Voltage	V _{DD}	5.0	V
Gate Voltage	٧G	-3.0	V
Maximum Power Dissipation	PD	0.25	W
Junction Temperature	Tj	150	°C
Storage Temperature	Tstg	-30 to +90	°C

Electrical Characteristics at Ta=25°C

Conditions	Symbol	Parameter
V _{DD} =3V, V _G =0V	IDSS	Drain Current
V _{DD} =3V, I _D =30mA, f=1.9GHz	Po1dB	Output Power at 1dB Gain Compression
V _{DD} =3V, I _D =30mA, f=1.9GHz	GL	Small Signal Gain
V _{DD} =3V, f=1.9GHz		VSWR(input)
V _{DD} =3V, f=1.9GHz		VSWR(output)
V _{DD} =3V, f=1.9GHz		VSWR(output)
	V _{DD} =3V, V _G =0V V _{DD} =3V, I _D =30mA, f=1.9GHz V _{DD} =3V, I _D =30mA, f=1.9GHz V _{DD} =3V, f=1.9GHz	IDSS

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