

FLL171ME

APRIL 8, 1992
(STD)

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

Item	Symbol	Condition	Rating	Unit
Drain-Source Voltage	VDS		15	V
Gate-Source Voltage	VGS		-5	V
Total Power Dissipation	PT	Tc=25°C	7.5	W
Storage Temperature	Tstg		-65 to +175	°C
Channel Temperature	Tch		+175	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C)

Item	Symbol	Test Condition	Limit			Unit
			Min.	Typ.	Max.	
Drain Current	Idss	Vds=5V, Vgs=0V	-	600	900	mA
Transconductance	gm	Vds=5V, Ids=400mA	-	300	-	mS
Pinch-off Voltage	Vp	Vds=5V, Ids=30mA	-1.0	-2.0	-3.5	V
Gate-Source Breakdown Voltage	Vgso	Igs=-30uA	-5	-	-	V
Output Power at 1dB G.C.P.	P1dB	Vds=10V	31.5	32.5	-	dBm
Power Gain at 1dB G.C.P.	G1dB	Ids=0.6Idss	11.5	12.5	-	dB
Power-Added Efficiency	Nadd	f=2.3GHz	-	46	-	%
Thermal Resistance	Rth	Channel to Case	-	15	20	°C/W

G.C.P.: Gain Compression Point

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