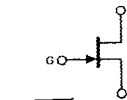


MICRO

2N5484
2N5485
2N5486

2N5484, 2N5485 and 2N5486 are N-Channel Junction Field Effect Transistors. They are mainly designed for VHF / UHF amplifiers, mixers, oscillators and analog switches.

TO-92



Bottom View
Source & Drain
Interchangeable



ABSOLUTE MAXIMUM RATINGS

Drain-Gate Voltage	VDG	25V
Source-Gate Voltage	VSG	25V
Drain Current	ID	30mA
Forward Gate Current	IG(F)	10mA
Total Device Dissipation @ 25°C	Ptot	360mW
Operating & Storage Junction Temperature	Tj, Tstg	-55 to +150°C

ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise noted)

Characteristic	2N5484		2N5485		2N5486		Unit	Test Conditions	
	Min	Max	Min	Max	Min	Max			
IGSS Gate Reverse Current		-1.0		-1.0		-1.0	nA	VGS = -20 V, VDS = 0	TA = +100°C
		-200		-200		-200			
BVGSS Gate-Source Breakdown Voltage	-25		-25		-25		V	IG = -1 μA, VDS = 0	
VGS(off) Gate-Source Cutoff Voltage	-0.3	-3.0	-0.5	-4.0	-2.0	-6.0		VDS = 15 V, ID = 10 nA	
IDSS Saturation Drain Current	1.0	5.0	4.0	10	8.0	20	mA	VDS = 15 V, VGS = 0 (Note 1)	
gfs Common-Source Forward Transconductance	3,000	6,000	3,500	7,000	4,000	8,000	μmhos		f = 1 kHz
gos Common-Source Output Conductance		50		60		75			
Re(vfs) Common-Source Forward Transconductance	2,500								f = 100 MHz
			3,000		3,500				f = 400 MHz
Re(vos) Common-Source Output Conductance		75							f = 100 MHz
				100		100		VDS = 15 V, VGS = 0	f = 400 MHz
Ciss Common-Source Input Capacitance		5.0		5.0		5.0	pF		
Crss Common-Source Reverse Transfer Capacitance		1.0		1.0		1.0			f = 1 MHz
NF Noise Figure		2.5		2.5		2.5	dB	VDS = 15 V, VGS = 0, RG = 1 MΩ	f = 1 kHz
		3.0						VDS = 15 V, ID = 1 mA, RG = 1 kΩ	f = 100 MHz
				2.0		2.0		VDS = 15 V, ID = 4 mA, RG = 1 kΩ	f = 400 MHz
				4.0		4.0			

NOTE:

1 Pulse Test PW 300 μs, duty cycle ≤ 3%

MICRO ELECTRONICS LTD. 美科有限公司 FAX: 3-410321

38 Hung To Road, Kwun Tong, Kowloon, Hong Kong. Cable: Microtron, Hong Kong. Telex: 43510 Micro Hx.
P.O. Box 9477, Kwun Tong. Tel: 3-430181-6, 3-893363, 3-892423, 3-898224