

MICRO

ELECTRONICS LTD.

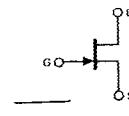
2N5484

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	
		-200		-200		-200		TA = +100°C	
BVGSS Gate-Source Breakdown Voltage	-25		-25		-25		V	IG = -1 μA, VDS = 0	
								VDS = 15 V, ID = 10 nA	
VGS(off) Gate-Source Cutoff Voltage	-0.3	-3.0	-0.5	-4.0	-2.0	-6.0	mA	VDS = 15 V, VGS = 0 (Note 1)	
IDSS Saturation Drain Current	1.0	5.0	4.0	10	8.0	20	μhos		
gfs Common-Source Forward Transconductance	3,000	6,000	3,500	7,000	4,000	8,000			
								f = 1 kHz	
gos Common-Source Output Conductance		50		60		75			
Re(yfs) Common-Source Forward Transconductance	2,500							f = 100 MHz	
			3,000		3,500			f = 400 MHz	
Re(yos) Common-Source Output Conductance		75						f = 100 MHz	
				100		100		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	
				2.0		2.0		f = 100 MHz	
					4.0	4.0		VDS = 15 V, ID = 4 mA, RG = 1 kΩ	
								f = 400 MHz	

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, 3-899363, 3-892423, 3-898221