



11pF typ. @0V
2.6pF @12V

4.7pF total.
10 MHz: 3.38 kOhm gain 81
1 MHz: 33.8 kOhm gain 810

- 5nA
- 520nA
- 24nA
- 124nA
- 29nA
- 12nA
-
- 714nA

With 48V and 390k:
5nA
133nA
24nA
65nA
23nA
6nA

256 nA

They say in datasheet $2r_e=32$ Ohm that's re 16 Ohm. 26 Ohm is at 1mA so the I_e in the transistors inside is 1.6mA. Assuming gain of 100, the I_b is 16uA. This makes 1.3nA at the input @10 MHz, totally negligible.

Resistor: 52mV/R
MOSFET: 34mV * gs

11pF typ. @0V
1.32pF @48V

3.42pF total.
10 MHz: 4.65 kOhm gain 112
1 MHz: 46.5 kOhm gain 1120

They say in datasheet $2r_e=32$ Ohm that's re 16 Ohm. 26 Ohm is at 1mA so the I_e in the transistors inside is 1.6mA. Assuming gain of 100, the I_b is 16uA. This makes 1.3nA at the input @10 MHz, totally negligible.

Ronja RX Noise

TITLE	Ronja RX Noise		
FILE:	licensed under GFDL	REVISION:	20081028
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- With 48V and 390k:
- 5nA
- 133nA
- 24nA
- 65nA
- 23nA
- 6nA
-
- 256 nA