

Additional Small Signal GaAs FET Products

N E C/ CALIFORNIA

15E D

6427414 0001665 T

T-31-25

HETERO-JUNCTION

PART NUMBER		RF PERFORMANCE						DC CHARACTERISTICS					
		f _T EST (GHz)	NF (dB)		GA (dB)		P-1 (dBm)	I _{oss}		G _M		V _P	
			TYP	MAX	MIN	TYP	TYP	MIN	MAX	MIN	MAX	MIN	MAX
CHIP	NE20100 ^Δ	30	2.0	2.5	6	8	—	8	30	15	50	-0.2	-2.0
	NE32100 [#] NE33000 [#]	12	1.3	1.5	9	10	—	15	70	40	—	-0.3	-2.0
PKG	NE20148 ^Δ	18						8	30	15	50	-0.2	-2.0
	NE32183A [#]	12	1	1.2	9.5	10.5		12	60	30	—	-0.2	-2.0
	NE33084 [#]	12	1.4	1.6	8.5	9.5		15	70	40	—	-0.3	-2.0

Δ Space Qualified

Current Development

MESFET

PART NUMBER		RF PERFORMANCE						DC CHARACTERISTICS					
		f _T EST (GHz)	NF (dB)		GA (dB)		P-1 (dBm)	I _{oss}		G _M		V _P	
			TYP	MAX	MIN	TYP	TYP	MIN	MAX	MIN	MAX	MIN	MAX
CHIP	NE04500*	12	1.45	1.6	9.0	9.8	12	12	50	20	50	-0.5	-2.0
PKG	NE04583*	12	1.45	1.6	9.0	9.8	12	12	50	20	50	-0.5	-2.0

*Not for ndw design

MESFET ELECTRO-OPTICAL APPLICATIONS

PART NUMBER		RF PERFORMANCE						DC CHARACTERISTICS					
		I _{aso} (μA)		C _{iss} (pF)		RISE/FALL TIME (ps)		I _{oss}		G _M		V _P	
		TYP	MAX	TYP	MAX	TYP	MAX	MIN	MAX	MIN	MAX	MIN	MAX
CHIP	NE76500 [#]	10	50	0.25	0.4	80	150	15	100	40	70	-0.5	-2.0

Current Development