

Bipolars

T-03-11

Family/Package Matrix—36 Devices—14 Families—5 Package Types

FAMILY	SUPER MINI- MOLD	MINI- MOLD	POWER MINI- MOLD	MICRO- X	4 PIN MINI- MOLD
NE021 NE219 NE416 NE461 NE467 NE578 NE593 NE645 NE680 NE681 NE683 NE734 NE856 NE889	NE02130 NE68030 NE68130 NE68330 NE73430 NE85630	NE02133 NE68033 NE68133 NE68333 NE73433 NE85633 NE88933	 NE46134 NE46734 NE85634	NE02135 NE02135 NE41635 NE57835 NE59335 NE64535 NE68035 NE68135 NE73435 NE85635 NE88935	NE02139/39B NE68039 NE68139 NE68339/39B NE73439/39B NE85639

GaAs FETs

GaAs MESFETs—Specifications

PART NUMBER	GATE LENGTH (μm)	GATE WIDTH (μm)	f TEST (GHz)	NP TYP (dB)	Ga TYP (dB)	P _{1dB} TYP (dBm)	V _{DS} MAX (V)	I _{DS} MAX (mA)	PACKAGE STYLE
NE71084	0.3	280	12	1.6	9	14.5	5	120	84
NE72084	1.0	400	4	0.8	12	15.0	5	150	84
NE76038	0.3	280	12	1.6	9	14.5	5	50	38
NE76084	0.3	280	12	1.6	9	14.5	5	50	84

Dual Gate GaAs MESFETs—Specifications

NE25139	1.0	400	0.9	1.1	20		13	40	39
NE25339	1.0	800	0.9	1.1	20		10	80	39

Diodes

Dual Schottky Diodes—Specifications

PART NUMBER	V _F	V _F	@ I _F (mA)	I _F MAX (mA)	@ V _F (V)	C _T MAX (pF)	DELTA		PACKAGE STYLE	PIN CONNECTION DIAGRAM
	MIN (V)	MAX (V)					V _F	C _T		
ND411G-1	0.17	0.23	1	30	0.5	1.2	10	0.2	33	B
ND411-G-2	0.17	0.23	1	30	0.5	1.2	10	0.2	39	C
ND412G-2	0.46	0.55	10	35	1	1.2	10	0.2	39	C
ND587T-3P	0.67	0.8	1	50	1	0.5	20	0.2	35	A

Quad Schottky Diodes—Specifications

ND434G	0.55		10	50	1	1.2	15	0.2	G08	G
ND487R1-3P		0.3	1	50		1.0	20	0.1	35	E
ND487R2-3P		0.5	1	50		1.0	20	0.1	35	E
ND487C1-3P		0.3	1	50		1.0	20	0.1	35	F
ND487C2-3P		0.5	1	50		1.0	20	0.1	35	F
ND587R-3P		0.8	1	50	0.5	0.26	20	0.05	35	D

Pin Diodes—Specifications

PART NUMBER	P _{tot} (Ohm)	@I _F (mA)	P _{rev} (K Ohm)	@I _R (μA)	C _T (pF)	V _F (V)	P _T (mW)	PACKAGE STYLE
ND6158-3T	4.0	10	3.0	10	0.5	0.9	250	3T