

# Low Noise Bipolar Transistors

Part Number	TEST f (GHz)	NF/G <sub>o</sub> Vce (V)	NF/G <sub>o</sub> Ic (mA)	NF TYP (dB)	G <sub>o</sub> TYP (dB)	S <sub>11</sub> dB			f <sub>c</sub> TYP (GHz)	f <sub>β</sub> TYP	Ic MAX (mA)	Package Description	Pkg. Code	Screening	Fax on Demand Doc. No.
						VCE (V)	Ic (mA)	TYP (dB)							
<b>SURFACE MOUNT PLASTIC</b>															
NE68018	2.0	6	5	1.8	10.0	6	10	9.5	10.0	100	35	(SOT-343)	18	D	320
NE68118	1.0	8	7	1.2	13.5	8	20	15.0	9.0	100	65	(SOT-343)	18	D	322
NE68518	2.0	3	3	1.5	8.5	3	10	11.0	12.0	110	30	(SOT-343)	18	D	324
NE68618	2.0	1	3	1.5	9.0	1	5	11.0	15.0	100	10	(SOT-343)	18	D	326
NE68718	2.0	1	3	1.3	8.0	1	10	9.0	13.0	100	30	(SOT-343)	18	D	328
NE68818	2.0	3	7	1.5	8.0	3	20	8.0	10.0	120	100	(SOT-343)	18	D	330
NE85618	1.0	10	7	1.4	13.0	10	20	13.0	6.5	120	100	(SOT-343)	18	D	338
NE68019	2.0	6	5	1.9	9.5	6	10	9.0	10.0	120	35	Surface Mount Plastic	19	D	320
NE68119	1.0	8	7	1.4	14.0	8	20	14.0	7.0	120	65	Surface Mount Plastic	19	D	322
NE68519	2.0	3	3	1.5	7.5	3	10	9.0	12.0	110	30	Surface Mount Plastic	19	D	324
NE68619	2.0	1	3	1.5	8.5	1	5	9.0	12.0	100	10	Surface Mount Plastic	19	D	326
NE68719	2.0	1	3	1.3	7.5	1	10	7.5	9.0	100	30	Surface Mount Plastic	19	D	328
NE68819	2.0	3	7	1.5	8.0	3	20	8.0	9.5	120	100	Surface Mount Plastic	19	D	330
NE85619	1.0	10	7	1.4	12.5	3	7	9.0	4.5	120	100	Surface Mount Plastic	19	D	338
NE02130	1.0	10	5	1.5	12.0	10	20	11.0	4.5	70	70	(SOT-323)	30	D	304
NE68030	2.0	6	5	1.7	9.5	6	10	8.5	10.0	100	35	(SOT-323)	30	D	320
NE68130	1.0	8	7	1.5	13.5	8	20	13.0	7.0	120	65	(SOT-323)	30	D	322
NE68530	2.0	3	3	1.5	7.0	3	10	8.5	12.0	110	30	(SOT-323)	30	D	324
NE68630	2.0	1	3	1.5	8.0	1	5	8.5	8.5	100	10	(SOT-323)	30	D	326
NE68730	2.0	1	3	1.3	7.5	1	10	7.5	9.0	100	30	(SOT-323)	30	D	328
NE68830	2.0	3	7	1.5	7.5	3	20	6.5	9.0	120	100	(SOT-323)	30	D	330
NE85630	1.0	10	7	1.3	12.0	10	20	12.0	4.5	110	100	(SOT-323)	30	D	338
NE02133	1.0	10	5	1.5	12.0	10	20	11.0	4.5	70	70	(SOT-23)	33	D	304
NE68033	2.0	6	5	1.8	9.0	6	10	8.0	10.0	100	35	(SOT-23)	33	D	320
NE68133	1.0	8	7	1.2	13.0	8	20	11.0	9.0	100	65	(SOT-23)	33	D	322
NE68533	2.0	3	3	1.5	7.0	3	10	8.0	12.0	110	30	(SOT-23)	33	D	324
NE68633	2.0	1	3	1.5	8.0	1	5	8.5	12.0	100	10	(SOT-23)	33	D	326
NE68733	2.0	1	3	1.3	7.5	1	10	7.5	10.0	100	30	(SOT-23)	33	D	328
NE68833	2.0	3	7	1.5	7.5	3	20	6.5	8.5	120	100	(SOT-23)	33	D	330
NE85633	1.0	10	7	1.4	9.0	10	20	11.5	7.0	120	100	(SOT-23)	33	D	338
<b>NEW</b> NE97733	1.0	-8	-3	1.5	10.0	-8	-20	12.0	8.5	60	-50	(SOT-23)	33	D	356
<b>NEW</b> NE97833	1.0	-10	-3	2.0	7.0	-10	-15	10.0	5.5	40	-50	(SOT-23)	33	D	357
NE85634	1.0	10	7	1.5	11.5	10	20	9.0	6.5	120	100	(SOT-89)	34	D	338
NE02139	1.0	10	5	1.5	12.0	10	20	11.0	4.5	70	70	(SOT-143)	39	D	304
NE68039	2.0	6	5	1.7	11.0	6	10	9.0	10.0	100	35	(SOT-143)	39	D	320
NE68139	1.0	8	7	1.2	13.5	8	20	15.0	9.0	100	65	(SOT-143)	39	D	322
NE68539	2.0	3	3	1.5	7.5	3	10	10.0	12.0	110	30	(SOT-143)	39	D	324
NE68639	2.0	1	3	1.5	8.5	1	3	12.0	12.0	100	10	(SOT-143)	39	D	326
NE68739	2.0	1	3	1.5	8.0	1	3	10.0	8.5	100	30	(SOT-143)	39	D	328
NE68839	2.0	3	7	1.5	8.0	3	3	9.0	9.0	120	100	(SOT-143)	39	D	330
NE85639	1.0	10	7	1.5	13.5	10	20	13.0	7.0	120	100	(SOT-143)	39	D	338
NE68039R	1.0	2.5	1	1.2	11.5	2.5	1	13.5	10.0	100	35	(SOT-143R)	39R	D	320
NE68139R	1.0	2.5	3	1.1	12.5	2.5	3	15.5	9.0	100	65	(SOT-143R)	39R	D	322
NE68539R	2.0	2.5	3	1.5	7.5	2.5	3	11.5	12.0	110	30	(SOT-143R)	39R	D	324
NE68639R	2.0	1	3	1.5	8.5	1	3	10.0	12.0	100	10	(SOT-143R)	39R	D	326
NE68739R	2.0	1	3	1.5	8.0	1	3	10.0	8.5	100	30	(SOT-143R)	39R	D	326
NE68839R	2.0	3	7	1.5	8.0	3	3	9.0	9.0	120	100	(SOT-143R)	39R	D	330
NE85639R	1.0	2.5	3	1.3	10.5	2.5	3	13.0	7.0	120	100	(SOT-143R)	39R	D	338