CEL California Eastern Laboratories

Part Search Site Sear
Minimum 3 characters

Products Newsroom About CEL Careers Contact Us

RF Semiconductors

Pr

Home > Products > RF Semiconductors > Overview > NEC Small Signal GaAs FETS

Overview Applications Product Selector Technical Information Quality and Environmental News & Press Releases

Small Signal GaAs FETs

CEL offers industry-leading Low Noise GaAs FET devices from NEC. Exceptional noise figure performance at frequencies past 20GHz are achieved in both ceramic and plastic packages.

RF Semiconductors Selection Guide:

NEC Small Signal GaAs FETS
- Low Noise
- 20GHz Band

NEC Small Signal GaAs FETS > Low Noise DevicesTypical Specifications @ TA = 25°C

Part No.	Gate Length (µm)	Gate Width (µm)	Freq Range (GHz) Recommended	Test Freq (GHz)	NF/G_A Bias V_{DS} (V)	NF/G_A Bias I_{DS} (mA)	NF_{OPT} (dB)	G_A (dB)	Power Bias V_{DS} (V)	Power Bias I_{DS} (mA)	P_{1dB} (dBm)	Chip / Package Code	Package Code	Chip / Package Description	Available Screening Grades
NE3210S01	0.2	160	4 to 18	12	2.0	10	0.35	13.5				S01		Plastic SMD	D
NE3503M04	0.2	160	2 to 18	12	2.0	10	0.45	12.0				M04		Plastic SMD	D
NE3508M04	0.6	800	1 to 6	2	2.0	10	0.40	14.0	3.0	30	18.0	M04	0.6	Plastic SMD	D
NE3509M04	0.6	400	1 to 6	2	2.0	10	0.45	17.5	3.0	20	14.0	M04		Plastic SMD	D
NE3510M04	0.6	280	1 to 6	2	2.0	10	0.35	19.0	3.0	30	12.0	M04		Plastic SMD	D
NE3511S02	0.2	160	6 to 18	12	2.0	10	0.30	13.5				S02		Micro-X Plastic	D
NE3512S02	0.2	160	6 to 18	12	2.0	10	0.35	13.5				S02		Micro-X Plastic	D
NE3515S02	0.2	200	6 to 18	12	3.0	25	0.35	13.0				S02		Micro-X Plastic	D
NE4210S01	0.2	160	2 to 18	12	2.0	10	0.50	13.0				S01		Plastic SMD	D

Back to top

Product C
Select a Pr

Quick Lir
Select a Li

Cross-Re
Type a manu
Minimum 2
Starts w
Contains
Ends wi
Type a mfg P
Minimum 3

Product S
RF Semico
Fiber Optic
Optocoupl
802.15.4 /

Need Help L

NEC Small Signal GaAs FETS > 20GHz Band Devices Typical Specifications @ TA = 25°C

Part No.	Gate Length (µm)	Gate Width (µm)	Freq Range (GHz) Recommended	Test Freq (GHz)	NF/G_A Bias V_{DS} (V)	NF/G_A Bias I_{DS} (mA)	NF_{OPT} (dB)	G_A (dB)	Chip / Package Code	Chip / Package Description	Available Screening Grades
NE350184C	0.2	160	4 to 20	20	2.0	10	0.7	13.5	84C	Micro-X Ceramic	D
NE3514S02	0.2	160	14 to 24	20	2.0	10	0.75	10.0	S02	Micro-X Plastic	D
NE3517S03	0.2	160	14 to 24	20	2.0	10	0.7	13.5	S03	Micro-X Plastic	D

Back to top