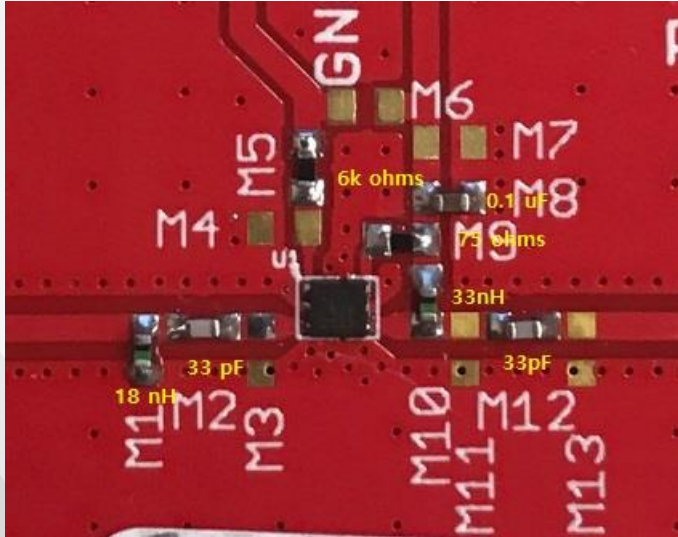




GRF2133 (1200 - 1600 MHz)

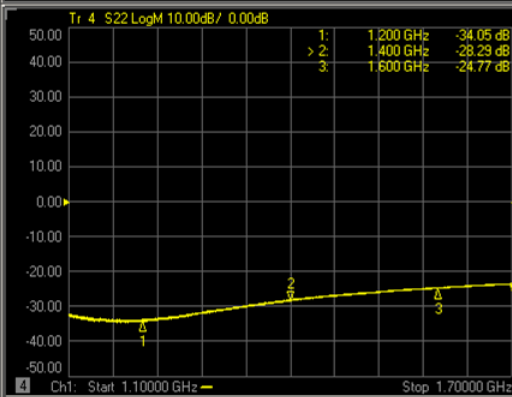
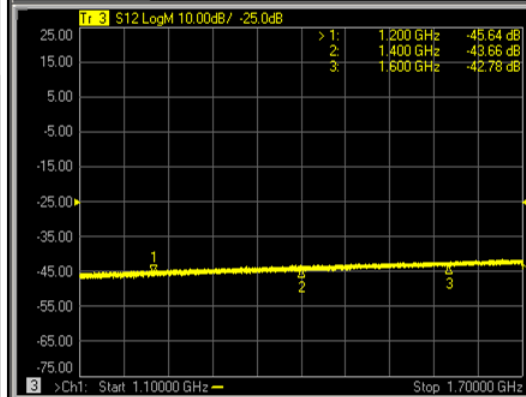
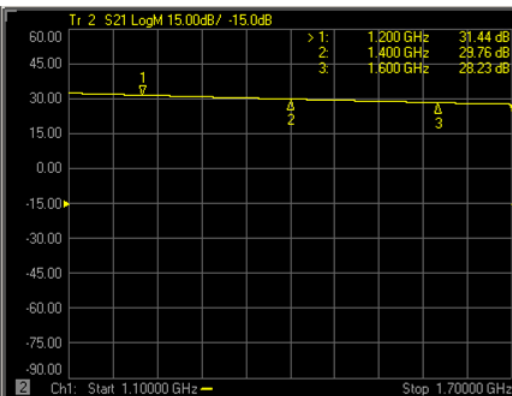
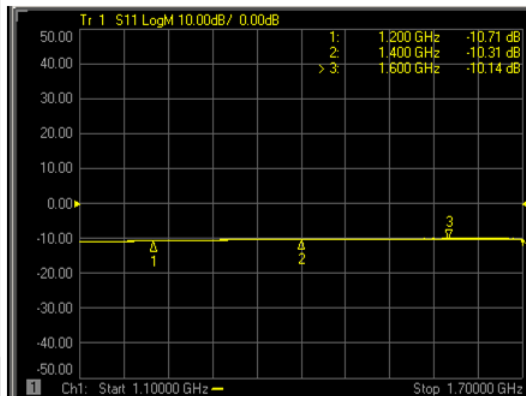
GRF2133 Schematic:



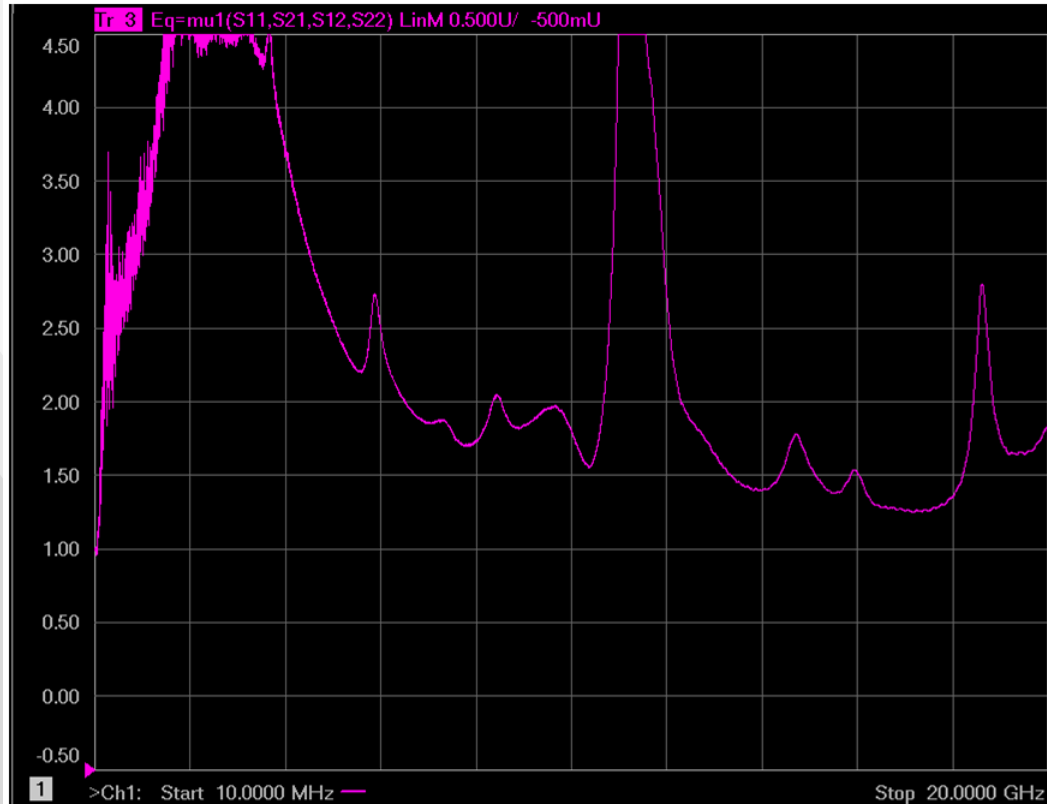
Component	Type	Manufacturer	Family	Value	Package Size	Substitution
M1	Inductor	Murata	LQP/LQG	18 nH	0402	ok
M2	Capacitor	Murata	GJM	33 pF	0402	ok
M5	Resistor	Various	5%	Sets Iddq	0402	ok
M8	Capacitor	Murata	GRM	0.1 uF	0402	ok
M9	Resistor	Various	5%	75 ohms	0402	ok
M10	Inductor	Murata	LQP/LQG	33 nH	0402	ok
M12	Capacitor	Murata	GJM	33 pF	0402	ok

$V_{en} = 3.3V$, $V_{dd} = 3.3V$

GRF2133 Response:



GRF2133 Stability Mu Factor:



GRF2133 Data:

Descriptor	Freq MHz	Vdd	Iddq mA	Ven	Ien mA	Pout/Ptone dBm	Gain dB	IIP3 dBm	OIP3 dBm	IP1dB dBm	OP1dB dBm	EVB NF dB
GRF2133	1200	3.3	28.0	3.3	1.0	2.1	31.5	-7.8	23.6	-9.9	19.8	0.60
GRF2133	1400	3.3	28.0	3.3	1.1	2.1	29.8	-6.4	23.4	-8.0	19.9	0.60
GRF2133	1600	3.3	28.0	3.3	1.1	2.0	28.2	-5.2	23.1	-7.0	19.7	0.68



Jeff Broxson

Vice President - Sales

Phone (336) 339-9314

jbroxson@guerrilla-rf.com

Alan Ake

Vice President - Applications/Technical Marketing

Phone (336) 708-4581

aake@guerrilla-rf.com

Guerrilla RF

1196 Pleasant Ridge Road, Suite 5
Greensboro, NC 27409

Phone: (336) 510-7840

www.guerrilla-rf.com