



Broadband Access, CATV & FTTH Product Selection Guide



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CATV Product Roadmap

Part # GRF / Competitor		F(min) (MHz)		F(max) (GHz)		Gain (dB)		P1dB (dBm)		OIP2 (dBm)		OIP3 (dBm)		NF (dB)		Voltage (V)		Current (mA)		Package Type		GRF Schedule	
GRF	COMP	GRF	COMP	GRF	COMP	GRF	COMP	GRF	COMP	GRF	COMP	GRF	COMP	GRF	COMP	GRF	COMP	GRF	COMP	GRF	COMP	SAMPLE	MP
GRF9461	AHL18123	50	50	1.8	1.8	20.5	21.5	19.5	19.5	49	50	37	35	1.7	1.2	5	5	136	90	DFN8 2x2	SOT-89	Available	06/2025
GRF9123		50	50	1.8	1.8	22	21.5	20.5	19.5	58	50	40	35	1.1	1.2	5	5	139	90	DFN8 2x2	SOT-89	Available	11/2025
GRF9460 (SE)	TAT7460	50	50	3.0	2.6	17	16.5	19.8	20.5	54	54	42	36	2.0	2.5	5	5	120	100	DFN8 2x2	SOT-89	Available	06/2025
GRF7896	QPB8896	5	5	1.2	0.7	25	25	25	22.6	70	70	40	38	2.1	1.8	5	5	260	275	SOIC-8	SOIC-8	Available	11/2025
GRF9896 (PP)	QPB8896	5	5	1.2	0.7	25	25	25	22.6	70	70	40	38	2.1	1.8	5	5	260	275	QFN16 3x3	SOIC-8	Available	06/2025
GRF9897 (PP)		5	5	0.7	0.7	26	25	27	22.6	70	70	41	38	1.6	1.8	5-8	5	272	275	SOIC-8	SOIC-8	Available	11/2025
GRF7163	QPL1163	5	5	1.8	1.2	19	19	25	27	68	62	42	41	2.0	2.4	5	5	270	290	SOIC-8	SOIC-8	Available	09/2025
GRF9163 (PP)	QPL1163	5	5	1.8	1.2	19	19	25	27	68	62	42	41	2.0	2.4	5	5	270	290	QFN16 3x3	SOIC-8	Available	Available
	QPL8832	5	5	1.8	1.2	19	19	25	24	68	65	42	44.5	2.0	2.9	5	5	270	280	QFN16 3x3	SOIC-8	Available	Available
GRF7240	QPL1240	5	5	1.8	1.2	17	17	24	27	68	68	42	43	2.3	2.6	5	5	270	275	SOIC-8	SOIC-8	Available	09/2025
GRF9240 (PP)	QPL1240	5	5	1.8	1.2	17	17	24	27	68	68	42	43	2.3	2.6	5	5	270	275	QFN16 3x3	SOIC-8	Available	Available
GRF9811	QPL1811	5	5	1.8	1.8	16	16	24	24	75	70	43	38	2.4	3.5	8	7	260	290	SOIC-8	SOIC-8	10/2025	03/2026
GRF9297	MAAM011297	5	5	1.8	1.8	17	17	25	24	60	60	42	42	2.0	3.5	5	5	270	290	QFN16 3x3	SOIC-8	07/2025	12/2025
GRF9834	QPL8834	5	5	1.8	1.2	13	12	24	24	70	70	46	44	2.6	4.2	5	5	278	290	SOIC-8	SOIC-8	10/2025	03/2026
GRF9457 (SE)	TAT7457	5	5	1.2	1.2	20	19	21	21	61	61	40	40	1.7	2.0	5	5	120	120	DFN8 2x2	SOT-89	TBD	TBD

Guerrilla RF® offers a comprehensive product solutions and leading technology for hybrid fiber coaxial (HFC) and broadband applications. Our broadband portfolio includes industry-standard QFN and DFN packages offering both small size, excellent performance, thermal characteristics and low power MMICs. These products are designed for HFC headend, CMTS, optical nodes and distributed architecture supporting DOCSIS® standards.

APPLICATIONS

- CATV Distribution Amplifiers
 - Multi-Dwelling Units
 - Drop Amplifiers
 - FTTH Receivers
 - General Purpose Gain Blocks
- Full Duplex Upstream
 - Return Path Optical Receivers
 - HFC Optical Nodes
 - DOCSIS 3.1 and 4.0 Amplifiers and Optical Nodes

FEATURES

- 5V to 6V Single Supply Operation
- Low Noise
- High Linearity
- Push-Pull Amplifiers with Adjustable Bias Current
- Compact Package for Better High Frequency, Performance and Design Flexibility
- Devices Cover 5MHz - 3GHz Applications

For more information please contact sales@guerrilla-rf.com or visit guerrilla-rf.com.

