



Qorvo® Broadband Access, CATV & FTTH Product Selection Guide

Upgrade Your Network



Technology Leadership in Broadband Connections Through Best-in-Class Innovative RF Solutions

Qorvo offers leading technology and comprehensive product solutions for demanding hybrid fiber coaxial (HFC) and broadband applications. Qorvo's broadband portfolio includes high power amplifiers in industry-standard SOT 115J package and in multi-chip modules (MCMs), low power MMICs and control products. These products are designed for HFC headend, CMTS, optical nodes and distributed architecture supporting DOCSIS® standards in various configurations like fiber deep, node split, remote PHY, full duplex, and extended spectrum DOCSIS. In addition, Qorvo offers products for FTTx and xPON system solutions with transimpedance amplifiers and complete optical modules.

High Output Hybrid & MCMs

1.8 GHz Power Doubler Amplifiers

Table A

Part Number	Package	Freq Range (MHz)	Gain (dB)	Power Consumption			TCP (dBmV)	MER/CCN (dB)	Technology
				Current (mA)	Voltage (V)	Watts (W)			
QPA3310	Hybrid	45-1794	23	470*	24	11.3	71	50	GaAs/GaN
QPA3315	Hybrid	45-1794	23	530*	34	18	73	51	GaAs/GaN
QPA3314	Hybrid	45-1794	23	520*	24	12.4	73	51	GaAs/GaN
QPA3390	MCM	45-1794	23	520*	24	12.4	73	51	GaAs/GaN
QPA3316	Hybrid	45-1794	23	530*	34	18	75+	51	GaAs/GaN

* Device has current adjust pin for variable current operation

1.2 GHz Power Doubler Amplifiers

Table B

Part Number	Package	Freq Range (MHz)	Gain (dB)	Power Consumption			Max Output Capability (dBmV)	Max Composite Output Capability (dBmV)	CTB Typ. (dBc)	CSO Typ. (dBc)	XMOD Typ. (dBc)	CIN Typ. (dB)	Technology
				Current (mA)	Voltage (V)								
RFPD3540	Hybrid	45-1218	28	420	24	68.8	-	-80	-80	-76	55	GaAs/GaN	
QPA3333	MCM	45-1218	28	320-450	24	68.8	-	-80	-74	-75	60	GaAs/GaN	
QPB8857	5x7 QFN	45-1218	28	440	24	66.8	-	-83	-81	-	60	GaAs	
QPA3357	Hybrid	45-1218	28	440	24	66.8	-	-83	-81	-	60	GaAs	
RFPD3210	Hybrid	45-1218	23	470	24	73.8	-	-73	-76	-68	57	GaAs/GaN	
QPA3230	Hybrid	45-1218	23	370-470	24	73.8	-	-73	-76	-68	57	GaAs/GaN	
RFCM3327	MCM	45-1218	23	370-470	24	73.8	42	-80	-80	-76	58	GaAs/GaN	
RFPD3220	Hybrid	45-1218	25	470	24	73.8	46	-73	-76	-68	57	GaAs/GaN	
QPA3240	Hybrid	45-1218	25	370-470	24	73.8	46	-73	-76	-68	57	GaAs/GaN	
QPA3245*	Hybrid	45-1218	25	470	24	75	46	-73	-76	-68	57	GaAs/GaN	
QPA3246*	Hybrid	45-1218	25	470	24	75	46	-73	-76	-68	57	GaAs/GaN	
RFCM3328	MCM	45-1218	25	370-470	24	73.8	42	-80	-80	-76	58	GaAs/GaN	
QPA3325*	MCM	45-1218	25	370-470	24	74	46	-	-	-	-	GaAs/GaN	
RFPD3580	Hybrid	45-1218	23	430-530	34	76.8	40	-73	-74	-68	55	GaAs/GaN	
QPA3250	Hybrid	45-1218	23	430-530	34	76.8	40	-73	-74	-68	55	GaAs/GaN	
QPA3260*	Hybrid	45-1218	23	430-530	34	76.8	45	-82	-82	-74	58	GaAs/GaN	
QPA3270*	Hybrid	45-1218	25	430-530	34	76.8	45	-82	-82	-74	58	GaAs/GaN	

* Next Generation

1.2 GHz Push Pull Amplifiers (Interstage)

Table C

Part Number	Package	Freq Range (MHz)	Gain (dB)	Power Consumption			Pout (dBmV)	CTB Typ. (dBc)	CSO Typ. (dBc)	XMOD Typ. (dBc)	CIN Typ. (dB)	Technology
				Current (mA)	Voltage (V)							
QPA8801	5x7 QFN	47-1218	11	395	12	47	-70	-72	-	68.5	GaAs	
QPA9831	Hybrid	45-1218	23	260	24	45	-67	-70	-60	66	GaAs/GaN	
RFPP2590	Hybrid	45-1218	24	230	24	43	-64	-70	-60	66	GaAs	
QPA4425	5x7 QFN	45-1218	25	290	24	47	-75	-70	-	65	GaAs	
RFCM4363	MCM	45-1218	28	200-260	24	45	-72	-80	-65	70	GaAs/GaN	
RFPP3870	Hybrid	45-1218	28	260	24	45	-72	-78	-63	69	GaAs/GaN	
QPA4428	5x7 QFN	45-1218	28	290	24	47	-75	-70	-	65	GaAs	
QPA3359	Hybrid	45-1218	28	270	24	44	-70	-76	-70	64	GaAs	
QPB8858	5x7 QFN	47-1218	34	290	24	47	-75	-70	-	65	GaAs	
QPA3358	Hybrid	47-1218	34	290	24	47	-75	-70	-	65	GaAs	
RFPP3180	Hybrid	45-1218	34	240	24	45	-66	-72	-62	64	GaAs	
RFAM3790	MCM	45-1218	28 (Var)	410	12	45	-67	-70	-60	64	GaAs	
RFAM3620	MCM	45-1218	36 (Var)	510	12	46	-73	-75	-70	64	GaAs	

1 GHz Power Doubler Amplifiers

Table D

Part Number	Package	Freq Range (MHz)	Gain (dB)	Power Consumption			Pout (dBmV)	CTB Typ. (dBc)	CSO Typ. (dBc)	XMOD Typ. (dBc)	CIN Typ. (dB)	Technology
				Current (mA)	Voltage (V)							
D10040180GT	Hybrid	40-1000	18	375	24	44	-64	-65	-60	-	GaAs	
D10040180GTH	Hybrid	40-1000	18	420	24	52	-65	-67	-62	-	GaAs	
D10040200GT	Hybrid	40-1000	20	375	24	44	-64	-65	-60	-	GaAs	
D10040200GTH	Hybrid	40-1000	20	420	24	52	-65	-67	-62	-	GaAs	
D10040220GT	Hybrid	40-1000	22	375	24	44	-64	-65	-60	-	GaAs	
D10040220GTH	Hybrid	40-1000	22	420	24	52	-65	-67	-62	-	GaAs	
QPA3223	Hybrid	40-1000	23	410	24	50	-70	-71	-65	62	GaAs/GaN	
QPA3238	Hybrid	40-1000	23	370-470	24	61	-73	-76	-65	60	GaAs/GaN	
QPA3340	Hybrid	40-1000	23	470	24	61	-73	-76	-65	60	GaAs/GaN	
D10040240GT	Hybrid	40-1000	24	375	24	44	-64	-65	-60	-	GaAs	
D10040240GTH	Hybrid	40-1000	24	420	24	52	-65	-67	-62	-	GaAs	
TAT8888	Hybrid	50-1000	24	445	24	61	-75	-69	-65	58	GaAs/GaN	
D10040250GT	Hybrid	40-1000	25	375	24	44	-64	-65	-60	-	GaAs	
D10040250GTH	Hybrid	40-1000	25	440	24	52	-65	-67	-62	-	GaAs	
QPA3248	Hybrid	40-1000	25	370-470	24	61	-73	-76	-65	60	GaAs/GaN	
QPA3350	Hybrid	40-1000	25	470	24	61	-73	-76	-65	60	GaAs/GaN	
D10040270GT	Hybrid	40-1000	27	375	24	44	-64	-65	-60	-	GaAs	
D10040270GTH	Hybrid	40-1000	27	420	24	52	-65	-67	-62	-	GaAs	
D10040270GTL	Hybrid	40-1000	27	325	24	40	-61	-63	-58	-	GaAs	
RFPD3890	Hybrid	40-1000	27	370	24	56	-73	-70	-67	62	GaAs	
QPB8957	5X7 QFN	50-1003	28	350	24	56	-78	-79	-	64	GaAs	
D10040300GTH	Hybrid	40-1000	30	420	24	52	-65	-65	-62	-	GaAs	

1 GHz Push Pull Amplifiers (Interstage)

Table E

Part Number	Package	Freq Range (MHz)	Gain (dB)	Power Consumption			Pout (dBmV)	CTB Typ. (dBc)	CSO Typ. (dBc)	XMOD Typ. (dBc)	Technology
				Current (mA)	Voltage (V)						
S10040140P1	Hybrid	40-1003	14	250	24	46	-64	-64	-55	GaAs	
S10040180P1	Hybrid	40-1003	18	250	24	46	-68	-68	-59	GaAs	
S10040200P	Hybrid	40-1003	20	255	24	46	-60	-63	-57	GaAs	
S10040220GT	Hybrid	40-1003	22	230	24	42	-63	-59	-58	GaAs	
S10040220P	Hybrid	40-1003	22	260	24	46	-66	-66	-59	GaAs	
S10040230GT	Hybrid	40-1003	23	240	24	42	-63	-59	-58	GaAs	
S10040240P	Hybrid	40-1003	24	250	24	46	-66	-66	-59	GaAs	
S10040280GT	Hybrid	40-1003	28	250	24	42	-65	-63	-58	GaAs	
QPA3320	Hybrid	40-1003	34	280	24	44	-66	-65	-60	GaAs	
QPB8958	5X7 QFN	50-1003	34	260	24	47	-75	-70	-	GaAs	

Return Path Amplifiers

Table F

Part Number	Package	Freq Range (MHz)	Gain (dB)	Power Consumption			CTB Typ. (dBc)	CSO Typ. (dBc)	XMOD Typ. (dBc)
				Current (mA)	Voltage (V)				
R0605250L	Hybrid	5-65	25	133	24	-69	-70	-59	
R0605300L	Hybrid	5-65	30	133	24	-64	-68	-55	
R1005250L	Hybrid	5-100	25	133	24	-69	-70	-59	
RFRP2920	Hybrid	5-100	28	158	24	-72	-70	-64	
R1005300L	Hybrid	5-100	30	130	24	-64	-68	-55	
RFRP2241	Hybrid	5-100	30	130	24	-66	-70	-57	
R2005280L	Hybrid	5-210	28	135	24	-69	-70	-65	
R2005300L	Hybrid	5-210	30	138	24	-72	-72	-65	
R2005350L	Hybrid	5-210	35	158	24	-72	-72	-64	
RFCM5304	MCM	5-220	39 (Var)	205	12	-70	-70	-60	
R3005250L	Hybrid	5-300	25	138	24	-71	-75	-63	
R3005300L	Hybrid	5-300	30	148	24	-70	-72	-63	
RFRP3120	Hybrid	5-300	35	158	24	-70	-75	-63	
QPA5368	MCM	5-300	35.3	195	12	-72	-75	-63	

Medium and Low Power MMICs

Return Amplifiers MMIC Differential

Table G-1

Part Number	Package	Freq Range (MHz)	Product Description	Gain (dB)	P1dB (dBm)	Output IP3 (dBm)	Noise Figure (dB)	Vcc (V)	Icc (mA)
QPB8896	SOIC 8	5-700	Upstream Tune	25	22.6	38	1.8	5	275
QPL8830	SOIC 8	5-700	Upstream Tune	21	24	43	3	5-8	275
QPL8831	SOIC 8	5-700	Upstream Tune	17	24	42	3	5-8	275
QPL8832	SOIC 8	5-700	Upstream Tune	19	24	40	3	5-8	275
QPL8833	SOIC 8	5-700	Upstream Tune	15	24	40	3.5	5-8	275
QPL8834	SOIC 8	5-700	Upstream Tune	12	24	40	4	5-8	275
QPL1163	SOIC 8	5-700	Drop in Macom MAAM011163	19	25	45	2.4	5-8	290
QPL1240	SOIC 8	5-700	Drop in Macom MAAM011240	17	25	45	2.4	5-8	290
QPL1820	12 Pin 5x5	5-700	Upstream Tune	20	26	45	3.5	5-8	260/350
QPL1821	12 Pin 5x5	5-700	Upstream Tune	18	24.5	40	3.8	5-8	260/350
QPL1822	12 Pin 5x5	5-700	Upstream Tune	15	24.2	39	4	5-8	260/350
QPL1823	12 Pin 5x5	5-700	Upstream Tune	23.5	24.2	39	3.5	5-8	260/350

1 GHz MMIC Differential Amplifiers

Table G-2

Part Number	Package	Freq Range (MHz)	Product Description	Gain (dB)	P1dB (dBm)	Output IP3 (dBm)	Noise Figure (dB)	Vcc (V)	Icc (mA)
QPB8957	5x7 QFN	50-1000	Power Doubler	28	28	51	4.5	24	350
QPB8958	5x7 QFN	50-1000	Push Pull	34	26	46	4.5	24	240

1.2 GHz Differential MMIC Amplifiers

Table G-3

Part Number	Package	Freq Range (MHz)	Product Description	Gain (dB)	P1dB (dBm)	Output IP3 (dBm)	Noise Figure (dB)	Vcc (V)	Icc (mA)
TAT7472A1F	SOIC 8	50-1218	Dual RF Amplifier	15.4	24.5	44	2.5	5	320
RFC8828	SOIC 8	50-1218	High Linearity RF Amplifier	16.4	25	44	2.75	5	293
TAT7467E1F	SOIC 8	50-1218	Dual RF Amplifier	18	25	43	4.7	5	380
RFC8830	SOIC 8	45-1218	High Linearity RF Amplifier	19	24	40	2.5	5	280
QPB8808	5x7 QFN	50-1218	Power Doubler	20.5	33	50	4.5	12	525
TAT8804D1H	5x7 QFN	50-1218	Power Doubler	21	34	49	4.5	12	650
QPB8857	5x7 QFN	50-1218	Power Doubler	28	30	53	4.5	24	440
QPB8858	5x7 QFN	50-1218	Push Pull	34	27	48	4.5	24	290
QPL8830	SOIC 8	5-1218	High Gain High Linearity	21	24	43	3	5-8	275
QPL8831	SOIC 8	5-1218	High Linearity RF Amplifier	17	24	42	3	5-8	275
QPL8832	SOIC 8	5-1218	High Linearity RF Amplifier	19	24	40	3	5-8	275
QPL8833	SOIC 8	5-1218	High Linearity RF Amplifier	15	24	40	3.5	5-8	275
QPL8834	SOIC 8	5-1218	High Linearity RF Amplifier	12	24	40	4	5-8	275
QPL1163	SOIC 8	5-1218	MAAM011163 Replacement	19	25	45	2.4	5-8	275
QPL1240	SOIC 8	5-1218	MAAM011240 Replacement	17	25	45	2.4	5-8	275

1.8 GHz Differential MMIC Amplifiers

Table G-4

Part Number	Package	Freq Range (MHz)	MER/CCN (dB)	TCP (dBmV)	Gain (dB)	Noise Figure (dB)	Vcc (V)	Icc (mA)	DC Power (W)
QPL1811	SOIC 8	45-1800	42	64	16	3.5	7	290	2.03
QPL1815	SOIC 8	45-1800	42	64	11	4	7	210	1.47
QPA8840	6x6 MCM	45-1800	45	68.6	22	4	12	425	5.1
QPL1820	12 Pin 5x5 MCM	45-1800	45	63 67	22	3.5	5 8	260 350	1.3 2.8
QPL1821	12 Pin 5x5 MCM	45-1800	45	63 67	19	3.8	5 8	260 350	1.3 2.8
QPL1822	12 Pin 5x5 MCM	45-1800	45	63 67	15	4	5 8	260 350	1.3 2.8
QPL1823	12 Pin 5x5 MCM	45-1800	45	63 66.5	26	3.6	5 8	260 350	1.3 2.8

Return Amplifiers MMIC Single Ended

Table H-1

Part Number	Package	Freq Range (MHz)	Product Description	Gain (dB)	P1dB (dBm)	Output IP3 (dBm)	Noise Figure (dB)	Vcc (V)	Icc (mA)
QPB3321	SOIC 8	5-210	Return Path RF Amplifier	17.5	24	48	3.4	5-8	170
QPL7425	3x3 QFN	5-700	Return Path RF Amplifier	25	24.7	39	1.1	5-8	60/120
QPL7420	3x3 QFN	5-700	Low Noise Amplifier	20	20	35.5	1.2	5-8	50/120

1.2 GHz Single Ended MMIC

Table H-2

Part Number	Package	Freq Range (MHz)	Product Description	Gain (dB)	P1dB (dBm)	Output IP3 (dBm)	Noise Figure (dB)	Vcc (V)	Icc (mA)
QPL7420	3x3 QFN	47-1218	Low Noise Amplifier	20	20	35.5	1.2	3-8	50
QPL7425	3x3 QFN	47-1218	Low Noise Amplifier	25	24.7	39	1.1	3-8	105

1.8 GHz Single Ended MMIC

Table H-3

Part Number	Package	Freq Range (MHz)	Product Description	Gain (dB)	P1dB (dBm)	Output IP2 (dBm)	Output IP3 (dBm)	Noise Figure (dB)	Vcc (V)	Icc (mA)
QPL1810	SOT 89	50-1800	Low Noise Amplifier	20	20	55	35.5	1.2	8	102
QPL1812	SOT 89	50-1800	High Linearity RF Amplifier	19	21	63	41	3.5	8	180
QPL1816	SOT 89	50-1800	RF Amplifier	9	16	50	32	3.5	6	130
QPL1818	3x3 QFN	50-1800	Low Noise Amplifier	15	19	50	37	2	5	100
QPL1819	3x3 QFN	50-1800	Low Noise Amplifier	19.5	19	52	34	1.6	5	120
QPL7420	3x3 QFN	47-1800	Low Noise Amplifier	20	20	55	35.5	1.2	5-8	90
QPL7433	2x2 DFN 8	44-3300	Low Noise Amplifier	17	20	42	33	1.5	5	90
QPL7442	2x2 DFN 8	44-4000	Low Noise Amplifier	20	20.5	35	32	1.5	5	90

Control Products

Switches

Table I

Part Number	Package	Product Description	Freq Range (MHz)	Impedance (Ω)	Insertion Loss (dB)	Isolation (dB)	P1/0.1dB (dBm)	IP3 (dBm)	Vcc (V)
QPC3024	4x4 QFN	SPDT Absorptive Switch	5-3000	75	0.82	66	36/36	61	3-5
QPC6742	1.8x1.8 QFN	SP4T Reflective Switch	5-2000	75	0.40	30	40.2/34	82	3-5
QPC4270	3x3 QFN	SPST Absorptive Switch	5-3000	75	0.30	62	37	74	3
QPC7512	2x2 QFN	SPDT Reflective Switch	5-3300	75	0.30	36	36	75	3-5
QPC7522	1.1x1.5 LGA	SPDT Reflective Switch	5-3300	75	0.25	46	37	73	5

Voltage Controlled Attenuators (VCAs)

Table J

Part Number	Package	Product Description	Freq Range (MHz)	Impedance (Ω)	Insertion Loss (dB)	P1dB (dBm)	Range (dB)	IP3 (dBm)	Vcc (V)
RFSA3043	3x3 QFN	Voltage Controlled Attenuator	5-3000	75	1.5	30	30	50	3-5
QPC4043	3x3 LGA	Closed Loop VCA	5-3000	75	1.5	30	25	>45	3-5

Digital Step Attenuators (DSAs)

Table K

Part Number	Package	Product Description	Freq Range (MHz)	Impedance (Ω)	Insertion Loss (dB)	Step Size (dB)	Range (dB)	IP3 (dBm)	Vcc (V)
QPC3614	4.2x4.2 QFN	6-Bit Digital Step Attenuator	5-1500	75	1.2	0.5	31.5	65	5
QPC4614	4x4 LGA	6-Bit Digital Step Attenuator	50-2000	75	1.2	0.5	31.5	65	5

Voltage Controlled Equalizer

Table L

Part Number	Package	Product Description	Freq Range (MHz)	Impedance (Ω)	Insertion Loss (dB)	Return Loss (dB)	Tilt Range (dB)	IP3 (dBm)	Vcc (V)
QPC7336	6x6 MCM	Var. Linear EQ	45-1218	75	2.75	16	0.6-22	50	5
QPC7334	6x6 MCM	Var. Linear EQ	5-684	75	2.2	16	0.4-16	50	5
QPC7335	6x6 MCM	Var. Linear EQ	45-1000	75	2.75	16	0.7-20	50	5
QPC7337	6x6 MCM	Var. Linear EQ	108-1800	75	2.75	16	0.5-17	50	5
QPC7332	6x6 MCM	Var. Cable Compensation EQ	45-1200	75	2.75	16	0.5-20	50	5
QPC7338	6x6 MCM	Var. Cable Compensation EQ	108-1800	75	2.75	17	0.5-18	50	5
QPC7333	6x6 MCM	Var. Cable Compensation EQ	5-684	75	2.75	17	0.5-18	50	5
QPC7339	6x6 MCM	Var. Cable Compensation EQ	5-396	75	2	16	0.5-20	50	5
QPC7330	10x14 MCM	I2C Cable Simulator	108-1800	75	0.5	18	2-25	63	5

Transformers and Protection

Transformers & Baluns

Table M

Part Number	Package	Freq Range (MHz)	Product Description	Insertion Loss @50 MHz (dB)	Amplitude Balance (dB)	Phase Balance (deg)	Impedance Ratio	Input Return Loss (dB)	Type Transmission Line
RFXF0006H	SP5	45-1218	1:1 SMT Balun, 75 Ω	1.3	0.4	4	1:1	15	Unbalanced to Balanced
RFXF0008H	SP6	45-1218	1:2.78 SMT Transformer, 75 Ω	1.6	0.3	2	1:2.78	14	Balanced to Balanced
RFXF0009H	SP5	45-1218	1:1 SMT Balun, 75 Ω	0.4	1.3	5	1:1	25	Unbalanced to Balanced
RFXF0010	SP5	45-1218	1:1 SMT Balun, 75 Ω	1.1	0.2	0.8	1:1	16	Unbalanced to Balanced
RFXF0007	SP5	45-1218	1:1 SMT Balun, 75 Ω	0.4	1.4	7.0	1:1	13	Unbalanced to Balanced
QPP0020	SP6	45-1794	3.06:1 SMT Transformer, 75 Ω	<1.5	-0.7	-4.0	3.06:1	15	Balanced to Balanced
QPP0021	SP5	45-1794	1:1 SMT Balun, 75 Ω	<1	-0.4	-5.0	1:1	12	Unbalanced to Balanced
QPP0022	SP5	45-1794	1:1 SMT Balun, 75 Ω	<1	-	-	1:1	12	Unbalanced to Balanced
QPP0023	SP6	45-1794	3.06:1 SMT Transformer, 75 Ω	<1.5	-	-	3.06:1	15	Balanced to Balanced
QPP0024	SP5	45-1794	1:1 SMT Balun, 75 Ω	<1	-	-	1:1	12	Unbalanced to Balanced

Protection

Table N

Part Number	Package	Freq Range (MHz)	Product Description	Insertion Loss (dB)	Trigger Voltage (V)	CTB (dBc)	CSO (dBc)	Leakage Current (nA)	Capacitance (fF)
TQP200002	3 Pin TSLP	50-1200	ESD Protection Diode	0.3	41	-52	-63	15 @ 1V 300 @ 15V	220 @ 1V, 10 MHz

Notes for All Tables

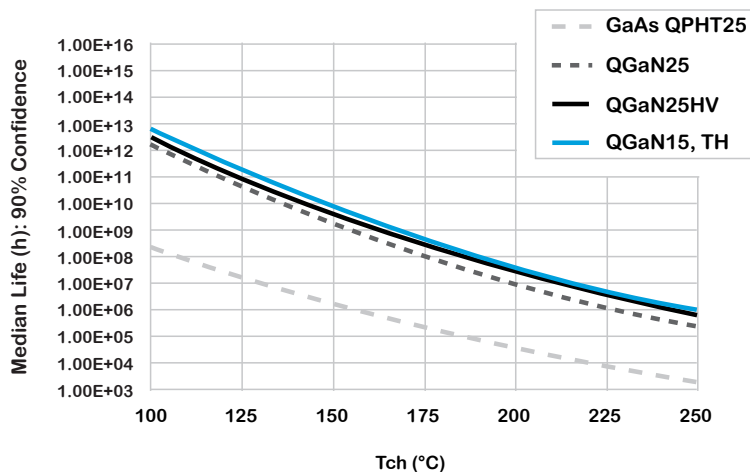
- 1) All values are typical except where otherwise indicated.
- 2) Refer to individual product data sheets for test conditions.

Gallium Nitride Innovation

Qorvo has driven innovation and development of gallium nitride (GaN) products and technologies that enable next-generation systems for over 15 years. With Qorvo, not only are you getting world-class electrical performance, our partners also benefit from a 'trusted' supplier with industry-leading GaN reliability. Qorvo is also the only GaN supplier to reach manufacturing readiness level MRL 10.

Key Qorvo GaN attributes:

- >65 million device hours on 16,900 devices in the field, with less than 0.013% failures per million hours
- Applications from DC through Ka-band
- High power density
- Proven reliability at high junction temperatures, mean time to failure (MTTF) of greater than 10^7 (10 million) to 10^9 (1 billion) hours at 200 degrees (C) and greater than 10^6 (1 million) to 10^8 (100 million) hours at 225 degrees (C)



Guide to Qorvo CATV Product Packages

 LGA	 4x4 QFN	 SP5	 SP6
 MCM	 SOT 115J	 5x7 QFN	 DFN (T/SLP-3)
 3x3 QFN	 SOIC 16W	 SOIC 8	 SOT 89