

Amplifiers - Cellular Band (800 - 950 MHz)

Many available in: 4-Pin TO-8 (TM); 4-PIN TO-8B (TR); 0.5" sq. Flatpack (FP); 0.450" sq. Surface Mount Package (TN); 0.375" sq. Surface Mount Package (PN); Connectorized Housing (BX). **Non-Hermetic reduced cost configurations available.**

Model	Gain (dB)		Noise Figure (dB)		Power Output @1dB Comp pt. (dBm)		IP3/IP2 Typ (dBm)	VSWR MAX In/Out	Power Typ (Vdc) (mA)	
	Typ	Min	Typ	Max	Typ	Min			Typ	Min
CB2006	16.0	15.0	1.5	2.0	+17.5	+16.5	+30/42	2.0:1	+15	46
CB2004	14.0	13.0	2.0	3.0	+24.0	+22.0	+35/50	2.0:1	+15	100
CB2003	14.0	13.0	2.0	3.0	+23.0	+22.0	+36/50	2.0:1	+15	105
CB2011	12.0	11.0	2.0	3.0	+19.0	+18.0	+29/35	2.0:1	+ 6	62
CB2007	16.5	15.5	2.3	3.0	+11.0	+ 9.0	+20/24	2.0:1	+15	14
CB2005	16.0	15.0	2.3	3.0	+ 8.0	+ 7.0	+16/21	2.0:1	+15	14
CB2001	16.5	15.0	2.3	3.0	+ 4.0	+ 2.0	+14/17	2.0:1	+15	10
CB2010	11.5	10.5	2.5	3.5	+15.5	+14.5	+29/43	2.0:1	+ 5	48
CB2008	12.0	11.0	3.0	4.0	+17.5	+15.5	+30/46	2.0:1	+15	40
CB2009	11.0	10.0	3.8	5.5	+26.5	+25.0	+38/45	2.0:1	+15	165
CB2002	9.5	8.5	5.5	6.5	+22.0	+21.0	+34/42	2.0:1	+15	92

Amplifiers - PCS Band (1700 - 1900 MHz)

Many available in: 4-Pin TO-8 (TM); 4-PIN TO-8B (TR); 0.5" sq. Flatpack (FP); 0.450" sq. Surface Mount Package (TN); 0.375" sq. Surface Mount Package (PN); Connectorized Housing (BX). **Non-Hermetic reduced cost configurations available.**

Model	Gain (dB)		Noise Figure (dB)		Power Output @1dBm Comp pt. (dBm)		IP3/IP2 Typ (dBm)	VSWR MAX In/Out	Power Typ (Vdc) (mA)	
	Typ	Min	Typ	Max	Typ	Min			Typ	Min
PC1007	14.0	13.0	1.0	2.0	+10.0	+ 9.0	+21/26	2.0:1	+15	40
PC1001	24.0	22.0	1.1	1.8	+16.0	+14.0	+27/41	2.0:1	+15	80
PC1002	11.0	9.5	2.0	3.0	+17.0	+15.5	+29/35	2.0:1	+ 6	62
PC1003	12.0	11.0	3.0	4.0	+15.0	+14.0	+29/43	2.0:1	+ 5	48
PC1006	12.5	11.5	3.3	4.0	+14.0	+12.0	+23/33	2.0:1	+15	26
PC1004	12.0	11.0	3.5	5.0	+27.0	+26.0	+37/46	2.0:1	+15	150
PC1009	11.0	10.0	3.5	5.0	+26.5	+25.0	+38/45	2.0:1	+15	165
PC1005	11.5	10.5	3.5	4.5	+ 5.0	+ 4.0	+14/21	2.0:1	+15	11
PC1008	10.5	9.5	8.0	10.0	+23.5	+22.5	+32/47	2.0:1	+15	85

Amplifiers - Connectorized Packages

To achieve a wide range of performance to meet specific requirements, cascaded amplifier combinations are available. Any combination up to four (4) T0-8 amplifiers can be included in one package. Contact the factory for any custom requirements. These packages are available with various styles: -1 BNC, -2 TNC, -3 N, or -4 SMA.

Model	Frequency Range (MHz)		Gain (dB)		Noise Figure (dB)		Power Output @ 1dB Comp pt. (dBm)		IP3/IP2 Typ (dBm)	VSWR Max In/Out	Power Typ (Vdc) (mA)	
	Typ	Min	Typ	Min	Typ	Max	Typ	Min			Typ	Min
BX1525-4	10	500	24.5	21.5	2.2	2.7	+17.0	+16.0	+32	2.0:1	+15	94
BX1501-4	10	500	29.0	27.0	2.0	3.0	+22.0	+20.0	+35	2.0:1	+15	140
BX2502-4	10	500	62.0	60.0	2.4	3.5	+22.0	+20.0	+35	2.0:1	+15	240
BX1522-4	10	500	47.5	45.0	2.6	3.5	+14.0	+13.0	+30	2.0:1	+15	110
BX1502-4	10	500	50.0	48.0	2.8	3.5	+10.0	+ 9.0	+18	2.0:1	+15	60
BX1561-4	10	500	41.0	39.0	3.5	4.5	+ 6.0	+ 5.0	+18	2.0:1	+15	68
BX1535-4	10	700	24.0	20.0	2.2	3.0	+11.5	+10.0	+20	2.0:1	+15	62
BX1503-4	10	1000	30.0	28.0	2.8	3.5	+10.0	+ 9.0	+22	2.0:1	+15	40
BX1504-4	10	1000	25.0	23.0	4.5	5.5	+22.0	+20.0	+33	2.0:1	+15	133
BX1505-4	10	1500	31.0	29.0	4.0	5.0	+ 7.0	+ 6.0	+20	2.0:1	+15	48
BX2503-4	10	1500	41.5	40.0	4.2	5.5	+21.0	+19.0	+29	2.0:1	+15	187
BX1506-4	10	1500	27.0	25.0	6.0	7.0	+21.0	+19.0	+29	2.0:1	+15	157
BX1518-4	10	2000	20.0	18.0	3.5	5.0	+ 8.0	+ 7.0	+20	2.0:1	+15	34
BX1507-4	10	2000	26.0	24.0	4.0	5.0	+ 7.0	+ 5.0	+16	2.0:1	+15	45
BX1508-4	10	2000	15.0	14.0	7.5	9.0	+22.0	+20.0	+28	2.0:1	+15	143

- ◆ Care should always be taken to effectively ground the case of each unit.
- ◆ All packages are hermetically sealed and can be environmentally screened.
- ◆ All designs can be modified to meet specific requirements.

Amplifonix - 2707 Black Lake Place - Philadelphia, PA 19154 - Tel: (215) 464-4000 - Fax: (215) 464-4001 E-mail: info@amplifonix.com - http://www.amplifonix.com