

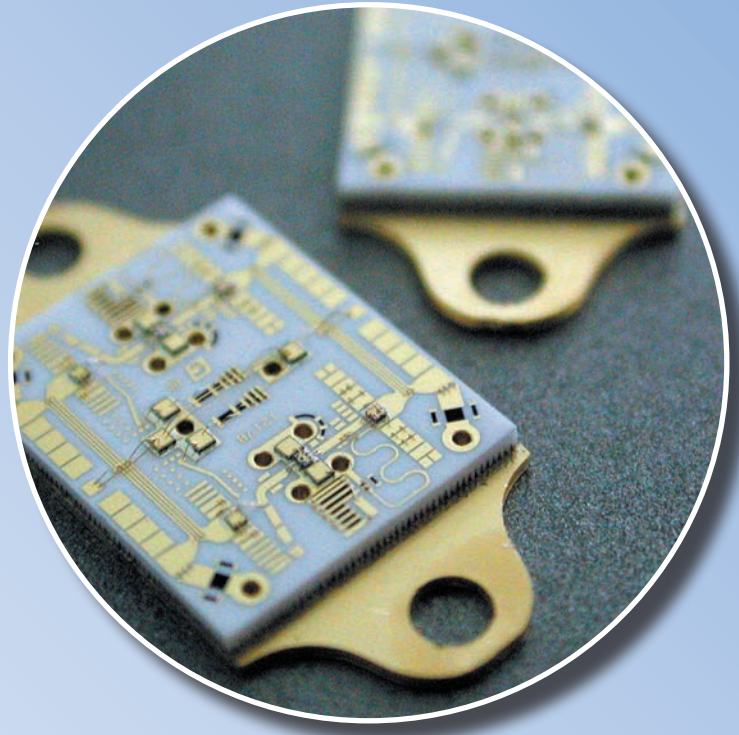
Low Noise Amplifiers

Catalog Products (EAR99/Non-ITAR)



TELEDYNE MICROWAVE SOLUTIONS
Everywhere you look™

Gain Modules



Model	Frequency Model Response (GHz)	Gain (dB)	Gain Flatness vs Frequency (\pm dB)	Gain Temperature Coefficient Per 1°C [1] (dB)	Noise Figure (dB)	Power Output for 1dB Compression (+dBm)	Input DC current (mA)	Carrier Type [2]
	Min	Min	Max	Typ	Max	Min	Typ	
CGM-04-0001	0.5-4.0	11.0	0.5	-0.007	4.5	16.0	100	1006
CGM-04-0002	0.5-4.0	11.5	0.6	-0.007	2.5	15.0	90	1006
CGM-04-0003	0.5-4.0	22.0	0.5	-0.014	4.5	16.0	200	1006
CGM-04-0004	0.5-4.0	22.0	0.6	-0.014	2.8	15.0	180	1006
CGM-04-0005	0.5-4.0	33.0	0.5	-0.021	4.5	16.0	300	1006
CGM-04-0006	0.5-4.0	33.0	0.6	-0.021	2.8	15.0	270	1006
CGM-04-2001	2-4	13.0	0.5	-0.011	1.8	10.0	60	1006

[1] Gain will increase with decreasing temperature and decrease with increasing temperature
 [2] Some circuits are supplied with a positive (-P) or negative (-N) configuration. See outlines.
 [3] Dual gate GaAs FET

[4] MMIC Chip on MIC Circuit
 [5] Negative slope from low to high frequency
 [6] Specification over any 500 MHz bandwidth



Gain Modules

Model	Frequency Model Response (GHz)	Gain (dB)	Gain Flatness vs Frequency (\pm dB)	Gain Temperature Coefficient Per 1°C [1] (dB)	Noise Figure (dB)	Power Output for 1dB Compression (+dBm)	Input DC current (mA)	Carrier Type [2]
	Min	Min	Max	Typ	Max	Min	Typ	
CGM-06-2001	2-6	11.5	0.5	-0.011	5.5	19.0	80	1006-P (-N)
CGM-06-2002	2-6	12.0	5 dB Slope[5]	-0.011	2.5	14.0	80	1006-P
CGM-06-2003	2-6	12.5	0.5	-0.011	4.5	16.0	70	1006-P (-N)
CGM-08-2001	2-8	8.0	0.5	-0.011	7.5	24.0	320	1006-P (-N)
CGM-08-2002	2-8	9.5	0.5	-0.011	6.5	22.0	200	1006-P (-N)
CGM-08-2003	2-8	10.0	0.5	-0.011	6.0	19.0	80	1006-P (-N)
CGM-08-2004	2-8	10.5	0.5	-0.011	5.0	16.0	70	1006-P (-N)
CGM-08-2005	2-8	12.0	5 dB Slope[5]	-0.011	2.5	14.0	80	1006
CGM-08-4001	4-8	12.0	0.5	-0.011	1.8	10.0	60	1006
CGM-10-8001 [6]	8-10	12.0	0.25	-0.011	1.9	10.0	60	1248-P (-N)
CGM-18-2001	2-18	10.0	1.0	-0.011	5.0	11.0	60	1248
CGM-18-2002	2-18	9.0	0.8	-0.022	11.0	18.0	330	1248
CGM-18-2003	2-18	10.0	0.8	-0.022	9.5	15.0	220	1248
CGM-18-2004	2-18	15.0	0.75	-0.022	9.0	12.0	120	1248
CGM-18-2005	2-18	15.0	1.0	-0.022	5.0	11.0	120	1248
CGM-18-2006	2-18	15.0	1.0	-0.022	8.0	11.0	120	1248
CGM-18-6001	6-18	4.0	0.8	-0.011	N/A	28.0	640	1248-P (-N)
CGM-18-6002	6-18	5.0	0.6	-0.011	9.5	25.0	320	1248-P (-N)
CGM-18-6003	6-18	5.5	0.6	-0.011	8.0	22.0	200	1248-P (-N)
CGM-18-6004	6-18	5.5	0.5	-0.011	6.5	18.0	80	1248-P (-N)
CGM-18-6005	6-18	6.0	0.5	-0.011	5.8	16.0	70	1248-P (-N)
CGM-18-6006	6-18	7.0	0.5	-0.011	5.0	14.0	70	1248-P (-N)
CGM-18-6007	6-18	7.0	3 dB Slope[5]	-0.011	3.2	14.0	80	1248-P (-N)
CGM-18-6008 [3]	6-18	10.0	1.0	-0.015	7.0	14.0	100	1248-P (-N)

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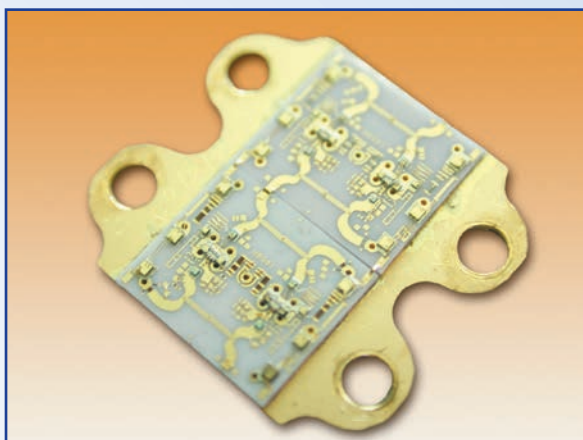
[4] MMIC Chip on MIC Circuit
 [5] Negative slope from low to high frequency
 [6] Specification over any 500 MHz bandwidth



Model	Frequency Model Response (GHz)	Gain (dB)	Gain Flatness vs Frequency (\pm dB)	Gain Temperature Coefficient Per 1°C [1] (dB)	Noise Figure (dB)	Power Output for 1dB Compression (+dBm)	Input DC current (mA)	Carrier Type [2]
	Min	Min	Max	Typ	Max	Min	Typ	
CGM-20-2001 [4]	2-20	8.0	1.0	-0.012	8.0	22.0	250	1248
CGM-20-2002 [4]	2-20	6.0	1.0	-0.012	6.0	16.0	100	1248
CGM-20-2003 [4]	2-20	12.0	1.5	-0.024	7.0	15.0	100	1248
CGM-20-2004 [4]	2-20	14.0	1.5	-0.024	7.5	20.0	350	1248
TGM-04-0002	0.5-4.0	11.5	0.6	-0.007	2.5	15.0	90	1006
TGM-04-0005	0.5-4.0	33.0	0.5	-0.021	4.5	16.0	300	1006
TGM-06-2002	2-6	12.0	5 dB Slope[5]	-0.011	2.5	14.0	80	1006-P
TGM-08-2004	2-8	10.5	0.5	-0.011	5.0	16.0	70	1006-P (-N)
TGM-08-2005	2-8	12.0	5 dB Slope[5]	-0.011	2.5	14.0	80	1006
TGM-18-2001	2-18	10.0	1.0	-0.011	5.0	11.0	60	1248
TGM-18-6001	6-18	4.0	0.8	-0.011	N/A	28.0	640	1248-P (-N)
TGM-18-6003	6-18	5.5	0.6	-0.011	8.0	22.0	200	1248-P (-N)
TGM-20-2001 [4]	2-20	8.0	1.0	-0.012	8.0	22.0	250	1248
TGM-20-2004 [4]	2-20	14.0	1.5	-0.024	7.5	20.0	350	1248

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Model	Frequency Response (GHz)	Gain (dB)	Gain Versus Temperature at any Frequency (\pm dB)		Noise Figure (dB)	Power Output for 1dB Compression (+dBm)		Gain Flatness vs Frequency (\pm dB)	3rd Order Intercept Point (+dBm)	Input DC Current @+12V		Temp Range	Case Type
			Min	Max		Min	Max			Typ	Max		
TMA-4-0502	0.5-4	17	-	3.0	18	1.0	27	140	155	+25	SC2		
TMA-4-0503	0.5-4	26	-	3.0	18	1.0	27	190	210	+25	SC4		
TMA-4-0504	0.5-4	35	-	3.0	18	1.5	27	240	265	+25	SC4		
TMT-4-0502	0.5-4	17	1.00	3.5	18	1.0	27	140	155	-54 to +90°C	SC2		
TMT-4-0503	0.5-4	26	1.25	3.5	18	1.0	27	190	210	-54 to +90°C	SC4		
TMT-4-0503	0.5-4	26	1.25	3.5	18	1.0	27	190	210	-54 to +90°C	SC4		
TMT-4-0504	0.5-4	35	1.50	3.5	18	1.5	27	240	265	-54 to +90°C	SC4		
TMT-4-0504	0.5-4	35	1.50	3.5	18	1.5	27	240	265	-54 to +90°C	SC4		
CMA-4-0502	0.5-4	17	-	4.0	18	1.0	27	140	155	+25	SC2		
CMA-4-0503	0.5-4	26	-	4.0	18	1.0	27	190	210	+25	SC4		
CMA-4-0504	0.5-4	35	-	4.0	18	1.5	27	240	265	+25	SC4		
CMT-4-0502	0.5-4	17	1.00	4.0	18	1.0	27	140	155	-54 to +90°C	SC2		
CMT-4-0503	0.5-4	26	1.25	4.0	18	1.0	27	190	210	-54 to +90°C	SC4		
CMT-4-0504	0.5-4	35	1.50	4.0	18	1.5	27	240	265	-54 to +90°C	SC4		
TMT-4-0502	0.5-4	17	1.00	4.0	18	1.0	27	140	155	-54 to +90°C	SC2		
TMT-4-0503	0.5-4	26	1.25	4.0	18	1.0	27	190	210	-54 to +90°C	SC4		
TMT-4-0504	0.5-4	35	1.50	4.0	18	1.5	27	240	265	-54 to +90°C	SC4		
TMT-4-2002	2-4	20	0.75	3.5	18	1.0	27	180	210	-54 to +90°C	SC4		
TMT-4-2003	2-4	30	1.00	3.5	18	1.0	27	220	260	-54 to +90°C	SC4		
TMT-4-2003	2-4	30	1.00	3.5	18	1.0	27	220	260	-54 to +90°C	SC4		
TMT-4-2004	2-4	41	1.25	3.5	18	1.5	27	280	325	-54 to +90°C	SC6		
CMA-4-2004	2-4	44	-	4.0	18	1.0	27	280	320	+25	SC4		
CMA-4-2002	2-4	22	-	4.5	18	1.0	27	140	160	+25	SC2		
CMA-4-2003	2-4	33	-	4.5	18	1.0	27	220	240	+25	SC4		
CMT-4-2002	2-4	20	0.75	5.5	18	1.0	27	180	210	-54 to +90°C	SC4		
CMT-4-2003	2-4	30	1.00	5.5	18	1.0	27	220	260	-54 to +90°C	SC4		



Model	Frequency Response (GHz)	Gain (dB)	Gain Versus Temperature at any Frequency (\pm dB)		Noise Figure (dB)	Power Output for 1dB Compression (+dBm)		Gain Flatness vs Frequency (\pm dB)	3rd Order Intercept Point (+dBm)	Input DC Current @+12V		Temp Range	Case Type
			Min	Max		Min	Max			Typ	Max		
CMT-4-2004	2-4	41	1.25	5.5	18	18	1.5	27	280	325	-54 to +90°C	SC6	
TMT-4-2002	2-4	20	0.75	5.5	18	18	1.0	27	180	210	-54 to +90°C	SC4	
TMT-4-2003	2-4	30	1.00	5.5	18	18	1.0	27	220	260	-54 to +90°C	SC4	
TMT-4-2004	2-4	41	1.25	5.5	18	18	1.5	27	280	325	-54 to +90°C	SC6	
CMA-6-2002	2-6	22	-	4.5	18	18	1.0	27	180	210	+25	SC4	
CMA-6-2003	2-6	33	-	4.5	18	18	1.0	27	220	260	+25	SC4	
CMA-6-2004	2-6	44	-	4.5	18	18	1.5	27	280	325	+25	SC6	
TMT-6-2002	2-6	20	0.75	4.5	18	18	1.0	27	180	210	-54 to +90°C	SC4	
TMT-6-2003	2-6	30	1.00	4.5	18	18	1.0	27	220	260	-54 to +90°C	SC4	
TMT-6-2003	2-6	30	1.00	4.5	18	18	1.0	27	220	260	-54 to +90°C	SC4	
TMT-6-2004	2-6	41	1.25	4.5	18	18	1.5	27	280	325	-54 to +90°C	SC6	
CMT-6-2002	2-6	20	0.75	6.5	18	18	1.0	27	180	210	-54 to +90°C	SC4	
CMT-6-2003	2-6	30	1.00	6.5	18	18	1.0	27	220	260	-54 to +90°C	SC4	
CMT-6-2004	2-6	41	1.25	6.5	18	18	1.5	27	280	325	-54 to +90°C	SC6	



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			Min	Max		Min	Max			Typ	Max		
TMT-6-2002	2-6	20	0.75	6.5	18	1.0	27	180	210	-54 to +90°C	SC4		
TMT-6-2003	2-6	30	1.00	6.5	18	1.0	27	220	260	-54 to +90°C	SC4		
TMT-6-2004	2-6	41	1.25	6.5	18	1.5	27	280	325	-54 to +90°C	SC6		
TLA-8-2013	2-8	28	-	2.5	16	1.5	26	230	260	+25	SC4		
TLA-8-2014	2-8	38	-	2.5	18	1.5	27	290	320	+25	SC6		
TLA-8-2015	2-8	48	-	2.5	18	1.5	27	350	390	+25	SC6		
TLT-8-2013	2-8	24	1.00	3.2	12	1.5	22	250	280	-54 to +90°C	SC6		
TLT-8-2014	2-8	33	1.00	3.2	18	1.5	27	310	350	-54 to +90°C	SC6		
TLT-8-2015	2-8	42	1.00	3.2	18	1.5	27	370	410	-54 to +90°C	SC6		
TMA-8-2003	2-8	27	-	4.0	18	1.5	27	200	230	+25	SC4		
TMA-8-2004	2-8	36	-	4.0	18	1.5	27	250	290	+25	SC6		
TMA-8-2005	2-8	45	-	4.0	18	2.0	27	300	345	+25	SC6		
CMA-8-2002	2-8	18	-	4.5	18	1.0	27	180	210	+25	SC4		
CMA-8-2003	2-8	27	-	4.5	18	1.5	27	200	230	+25	SC4		
CMA-8-2004	2-8	36	-	4.5	18	1.5	27	250	290	+25	SC6		
CMA-8-2005	2-8	45	-	4.5	18	2.0	27	300	345	+25	SC6		
CMT-8-2003	2-8	26	1.00	5.5	18	1.5	27	240	275	-54 to +90°C	SC4		
CMT-8-2004	2-8	36	1.25	5.5	18	1.5	27	310	350	-54 to +90°C	SC6		
CMT-8-2005	2-8	46	1.50	5.5	18	2.0	27	380	430	-54 to +90°C	SC6		
CMT-8-2002	2-8	18	0.75	6.0	18	1.0	27	180	210	-54 to +90°C	SC4		
TLA-18-2002	2-18	17	-	3.6	10	1.0	17	110	120	+25	SX2		
TLA-18-2003	2-18	28	-	3.6	12	1.5	14	210	230	+25	SX4		
TLT-18-2002	2-18	16	0.50	4.5	12	1.5	19	170	200	-54 to +90°C	SX4		
TLT-18-2004	2-18	30	1.00	4.5	12	2.0	19	270	300	-54 to +90°C	SX4		
TMA-18-2002	2-18	20	-	5.0	20	1.0	25	460	510	+25	SX2		
TMA-18-2004	2-18	34	-	5.0	20	1.5	25	560	620	+25	SX4		



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			Min	Max		Min	Max			Typ	Max		
CLA-18-2002	2-18	17	-	6.0	10	1.0	17	110	120	+25	SX2		
CLA-18-2003	2-18	28	-	6.0	12	1.5	14	210	230	+25	SX4		
TMT-18-2002	2-18	16	0.50	6.5	15	1.5	21	420	475	-54 to +90°C	SX4		
TMT-18-2004	2-18	28	1.00	6.5	19	2.0	25	570	550	-54 to +90°C	SX4		
CMA-18-2004	2-18	34	-	7.0	20	1.5	25	560	620	+25	SX4		
CLT-18-2004	2-18	30	1.00	7.0	12	2.0	19	270	300	-54 to +90°C	SX4		
CLT-18-2002	2-18	16	0.50	8.0	12	1.5	19	170	200	-54 to +90°C	SX4		
CMT-18-2004	2-18	28	1.00	8.0	19	2.0	25	570	550	-54 to +90°C	SX4		
CMA-18-2002	2-18	20	-	8.5	20	1.0	25	460	510	+25	SX2		
CMT-18-2002	2-18	16	0.50	10.0	15	1.5	21	420	475	-54 to +90°C	SX4		
CMA-8-4002	4-8	18	-	4.5	18	1.0	27	180	210	+25	SC4		
CMA-8-4003	4-8	27	-	4.5	18	1.0	27	220	260	+25	SC4		
CMA-8-4004	4-8	36	-	4.5	18	1.5	27	280	325	+25	SC6		
CMT-8-4003	4-8	26	1.00	5.5	18	1.0	27	240	275	-54 to +90°C	SC4		
CMT-8-4004	4-8	36	1.25	5.5	18	1.5	27	310	350	-54 to +90°C	SC6		
CMT-8-4002	4-8	18	0.75	6.0	18	1.0	27	180	210	-54 to +90°C	SC4		
TLA-13-6013	6-13	25	-	2.5	18	1.0	27	210	240	+25	SX4		
TLA-13-6014	6-13	34	-	2.5	18	1.5	27	280	320	+25	SX4		
TLT-13-6013	6-13	24	1.25	3.0	14	1.0	27	240	270	-54 to +90°C	SX4		
TLT-13-6014	6-13	30	1.25	3.0	18	1.0	27	316	350	-54 to +90°C	SX6		
TLT-13-6015	6-13	38	1.50	3.0	18	1.5	27	350	400	-54 to +90°C	SX6		
CLA-13-6012	6-13	18	-	3.2	14	1.0	27	130	160	+25	SX4		
TLA-13-6012	6-13	18	-	3.2	14	1.0	27	130	160	+25	SX4		
CLA-13-6013	6-13	25	-	3.2	18	1.0	27	210	240	+25	SX4		
CLA-13-6014	6-13	34	-	3.2	18	1.5	27	280	320	+25	SX4		
CLA-13-6015	6-13	43	-	3.2	18	1.5	27	350	400	+25	SX6		

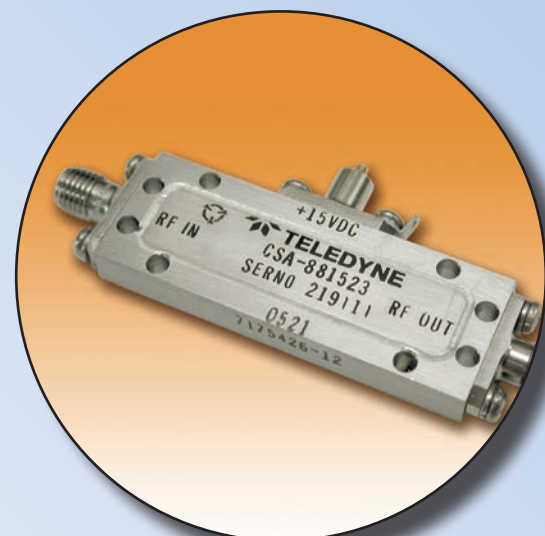


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Model	Frequency Response (GHz)	Gain (dB)	Gain Versus Temperature at any Frequency (\pm dB)		Noise Figure (dB)	Power Output for 1dB Compression (+dBm)		Gain Flatness vs Frequency (\pm dB)	3rd Order Intercept Point (+dBm)	Input DC Current @+12V		Temp Range	Case Type
			Min	Max		Min	Max			Typ	Max		
TLA-13-6015	6-13	43	-	3.2	18	1.5	27	350	400	+25	SX6		
CLT-13-6014	6-13	30	1.25	3.9	18	1.0	27	316	350	-54 to +90°C	SX6		
CLT-13-6015	6-13	38	1.50	3.9	18	1.5	27	350	400	-54 to +90°C	SX6		
CLT-13-6016	6-13	45	1.75	3.9	18	1.5	27	450	510	-54 to +90°C	SX8		
TLT-13-6016	6-13	45	1.75	3.9	18	1.5	27	450	510	-54 to +90°C	SX8		
CLT-13-6013	6-13	24	1.25	4.2	14	1.0	27	240	270	-54 to +90°C	SX4		
TMA-13-6003	6-13	24	-	4.5	18	1.0	27	200	230	+25	SX4		
TMA-13-6004	6-13	34	-	4.5	18	1.0	27	280	320	+25	SX6		
TMA-13-6005	6-13	40	-	4.5	18	1.5	27	300	345	+25	SX6		
TMT-13-6003	6-13	22	1.00	4.5	18	1.0	27	200	230	-54 to +90°C	SX4		
TMT-13-6004	6-13	30	1.25	4.5	18	1.0	27	280	320	-54 to +90°C	SX6		
TMT-13-6005	6-13	38	1.50	4.5	18	1.5	27	300	345	-54 to +90°C	SX6		
CMA-13-6003	6-13	24	-	5.5	18	1.0	27	200	230	+25	SX4		
CMA-13-6004	6-13	34	-	5.5	18	1.0	27	280	320	+25	SX6		
CMA-13-6005	6-13	40	-	5.5	18	1.5	27	300	345	+25	SX6		
CMT-13-6004	6-13	30	1.25	6.5	18	1.0	27	280	320	-54 to +90°C	SX6		
CMT-13-6005	6-13	38	1.50	6.5	18	1.5	27	300	345	-54 to +90°C	SX6		
CMT-13-6003	6-13	22	1.00	7.0	18	1.0	27	200	230	-54 to +90°C	SX4		
TLA-18-6004	6-18	21	-	3.2	16	1.5	18	280	320	+25	SX4		
TLA-18-6005	6-18	26	-	3.2	18	1.5	20	350	400	+25	SX6		
TLA-18-6006	6-18	31	-	3.2	18	2.0	20	420	480	+25	SX6		
CLA-18-6004	6-18	21	-	3.8	16	1.5	18	280	320	+25	SX4		
CLA-18-6005	6-18	26	-	3.8	18	1.5	20	350	400	+25	SX6		
CLA-18-6006	6-18	31	-	3.8	18	2.0	20	420	480	+25	SX6		
CLA-18-6007	6-18	36	-	3.8	18	2.0	23	490	560	+25	SX8		
TLA-18-6007	6-18	36	-	3.8	18	2.0	23	490	560	+25	SX8		



Model	Frequency Response (GHz)	Gain (dB)	Gain Versus Temperature at any Frequency (\pm dB)		Noise Figure (dB)	Power Output for 1dB Compression (+dBm)		Gain Flatness vs Frequency (\pm dB)	3rd Order Intercept Point (+dBm)	Input DC Current @+12V		Temp Range	Case Type
			Min	Max		Min	Max			Typ	Max		
CLT-18-6004	6-18	21	1.25	4.5	12	1.5	18	310	360	-54 to +90°C	SX4		
CLT-18-6005	6-18	26	1.50	4.5	14	1.5	20	380	430	-54 to +90°C	SX6		
CLT-18-6006	6-18	31	1.75	4.5	18	2.0	20	450	510	-54 to +90°C	SX6		
CLT-18-6007	6-18	36	2.00	4.5	18	2.0	23	520	590	-54 to +90°C	SX8		
TLT-18-6004	6-18	21	1.25	4.5	12	1.5	18	310	360	-54 to +90°C	SX4		
TLT-18-6005	6-18	26	1.50	4.5	18	1.5	20	380	430	-54 to +90°C	SX6		
TLT-18-6006	6-18	31	1.75	4.5	18	2.0	20	450	510	-54 to +90°C	SX6		
TLT-18-6007	6-18	36	2.00	4.5	18	2.0	23	520	590	-54 to +90°C	SX8		
TMT-18-6003	6-18	12	1.00	4.5	18	1.0	27	240	275	-54 to +90°C	SX4		
TMA-18-6003	6-18	15	-	5.0	18	1.0	27	240	275	+25	SX4		
TMA-18-6004	6-18	21	-	5.0	18	1.5	27	290	335	+25	SX6		
TMA-18-6005	6-18	27	-	5.0	18	1.5	27	350	400	+25	SX6		
TMA-18-6006	6-18	32	-	5.0	18	2.0	27	410	470	+25	SX8		
TMA-18-6007	6-18	38	-	5.0	18	2.0	27	470	540	+25	SX8		
TMT-18-6004	6-18	18	1.25	5.5	18	1.5	27	290	335	-54 to +90°C	SX6		



Low Noise Amplifiers

Model	Frequency Response (GHz)	Gain (dB)	Gain Versus Temperature at any Frequency (\pm dB)		Noise Figure (dB)	Power Output for 1dB Compression (+dBm)		Gain Flatness vs Frequency (\pm dB)	3rd Order Intercept Point (+dBm)	Input DC Current @+12V		Temp Range	Case Type
			Min	Max		Min	Max			Typ	Max		
TMT-18-6005	6-18	24	1.50	5.5	5.5	18	1.5	27	27	350	400	-54 to +90°C	SX6
TMT-18-6006	6-18	29	1.75	5.5	5.5	18	2.0	27	27	410	470	-54 to +90°C	SX8
TMT-18-6007	6-18	35	2.00	5.5	5.5	18	2.0	27	27	470	540	-54 to +90°C	SX8
CMA-18-6003	6-18	15	-	7.5	7.5	18	1.0	27	27	240	275	+25	SX4
CMA-18-6004	6-18	21	-	7.5	7.5	18	1.5	27	27	290	335	+25	SX6
CMA-18-6005	6-18	27	-	7.5	7.5	18	1.5	27	27	350	400	+25	SX6
CMA-18-6006	6-18	32	-	7.5	7.5	18	2.0	27	27	410	470	+25	SX8
CMA-18-6007	6-18	38	-	7.5	7.5	18	2.0	27	27	470	540	+25	SX8
CMT-18-6006	6-18	29	1.75	8.0	8.0	18	2.0	27	27	410	470	-54 to +90°C	SX8
CMT-18-6007	6-18	35	2.00	8.0	8.0	18	2.0	27	27	470	540	-54 to +90°C	SX8
CMT-18-6005	6-18	24	1.50	8.5	8.5	18	1.5	27	27	350	400	-54 to +90°C	SX6
CMT-18-6003	6-18	12	1.00	9.0	9.0	18	1.0	27	27	240	275	-54 to +90°C	SX4
CMT-18-6004	6-18	18	1.25	9.0	9.0	18	1.5	27	27	290	335	-54 to +90°C	SX6
TMA-18-8005	8-18	27	-	5.0	5.0	18	1.5	27	27	350	400	+25	SX6
TMA-18-8007	8-18	39	-	5.0	5.0	18	2.0	27	27	470	540	+25	SX8
TMT-18-8005	8-18	24	1.50	5.5	5.5	18	1.5	27	27	350	400	-54 to +90°C	SX6
TMT-18-8007	8-18	36	2.00	5.5	5.5	18	2.0	27	27	470	540	-54 to +90°C	SX8
CMA-18-8005	8-18	27	-	7.5	7.5	18	1.5	27	27	350	400	+25	SX6
CMA-18-8007	8-18	39	-	7.5	7.5	18	2.0	27	27	470	540	+25	SX8
CMT-18-8007	8-18	36	2.00	8.0	8.0	18	2.0	27	27	470	540	-54 to +90°C	SX8
CMT-18-8005	8-18	24	1.50	8.5	8.5	18	1.5	27	27	350	400	-54 to +90°C	SX6
TMA-26-1804	18-26	21	-	8.0	8.0	14	1.00	20	20	215	-	+25	SK6
CMA-26-1804	18-26	21	-	8	8	14	1.00	20	20	215	-	+25	SK6
CMA-26-1806	18-26	32	-	8	8	14	1.25	20	20	300	-	+25	SK6
CMA-26-1808	18-26	42	-	8	8	14	1.50	20	20	380	-	+25	S K8
CMT 26-1806	18-26	24	1.00	9	9	13	1.50	19	19	320	-	-54 to +90°C	SK8

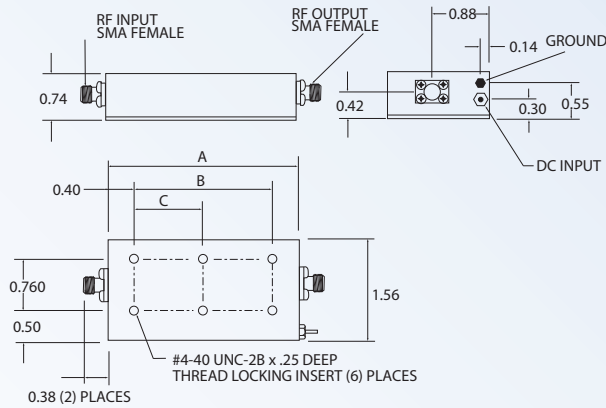


Model	Frequency Response (GHz)	Gain (dB)	Gain Versus Temperature at any Frequency (\pm dB)		Noise Figure (dB)	Power Output for 1dB Compression (+dBm)		Gain Flatness vs Frequency (\pm dB)	3rd Order Intercept Point (+dBm)	Input DC Current @+12V		Temp Range	Case Type
			Min	Max		Min	Max			Typ	Max		
CMT 26-1808	18-26	34	1.25	9	9	13	1.75	19	410	-	-54 to +90°C	SK10	
TMT 26-1804	18-26	15	0.75	10	10	13	1.25	19	260	-	-54 to +90°C	SK6	
CMT 26-1804	18-26	15	0.75	10	10	13	1.25	19	260	-	-54 to +90°C	SK6	
TMA-40-2610	26-40	43	-	9.0	9.0	13(1)	2.25	19	560	-	+25	SK10	
TMA-40-1808	18-40	32	-	10.0	10.0	13(1)	2.00	19	490	-	+25	SK8	
CMA-40-1806	18-40	23	-	10	10	13(5)	1.75	19	400	-	+25	SK6	
CMA-40-1808	18-40	32	-	10	10	13(5)	2.00	19	490	-	+25	SK8	
CMA-40-1810	18-40	40	-	10	10	13(5)	2.50	19	560	-	+25	SK10	
CMA-40-1812	18-40	45	-	10	10	13(5)	3.00	19	600	-	+25	SK12	
TMT 40-1807	18-40	20	2.00	10	10	12	2.00	18	460	-	-54 to +90°C	SK8	
CMT 40-1807	18-40	20	2.00	10	10	12	2.00	18	460	-	-54 to +90°C	SK8	
CMT 40-1809	18-40	29	3.00	10	10	12	2.50	18	540	-	-54 to +90°C	SK10	
CMT 40-1805	18-40	13	1.50	12	12	11	1.50	17	320	-	-54 to +90°C	SK6	
CMA-40-2606	26-40	25	-	9	9	13(5)	1.50	19	400	-	+25	SK6	
CMA-40-2608	26-40	34	-	9	9	13(5)	1.75	19	480	-	+25	SK8	
CMA-40-2610	26-40	43	-	9	9	13(5)	2.25	19	560	-	+25	SK10	
TMT 40-2611	26-40	36	2.50	10	10	12	2.50	18	600	-	-54 to +90°C	SK12	
CMT 40-2607	26-40	22	1.50	10	10	12	1.50	18	460	-	-54 to +90°C	SK8	
CMT 40-2609	26-40	31	2.00	10	10	12	2.00	18	540	-	-54 to +90°C	SK10	
CMT 40-2611	26-40	36	2.50	10	10	12	2.50	18	600	-	-54 to +90°C	SK12	
CMT 40-2605	26-40	15	1.00	12	12	11	1.00	17	320	-	-54 to +90°C	SK6	

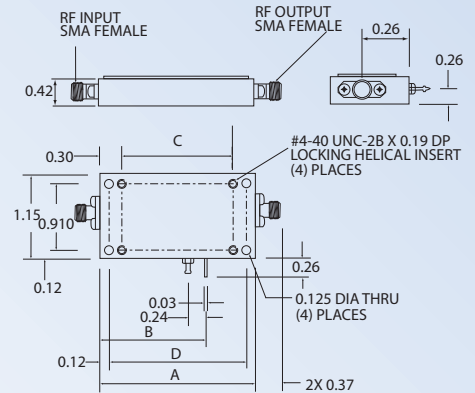


Amplifier Outline Drawings

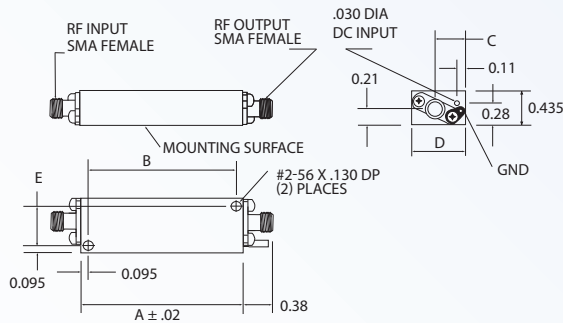
Amplifiers



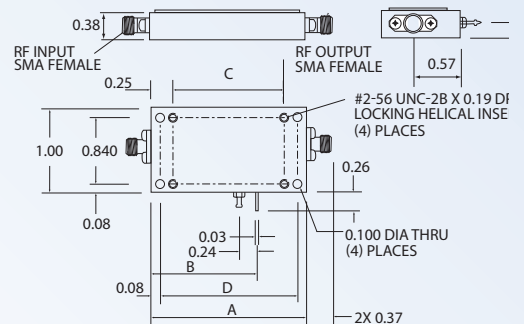
Case Type	Dimension (inches)		
	A	B	C
HPX8	2.930	2.132	1.066



Case Type	Dimension (inches)			
	A	B	C	D
PCEL6	2.10	1.43	1.500	1.860

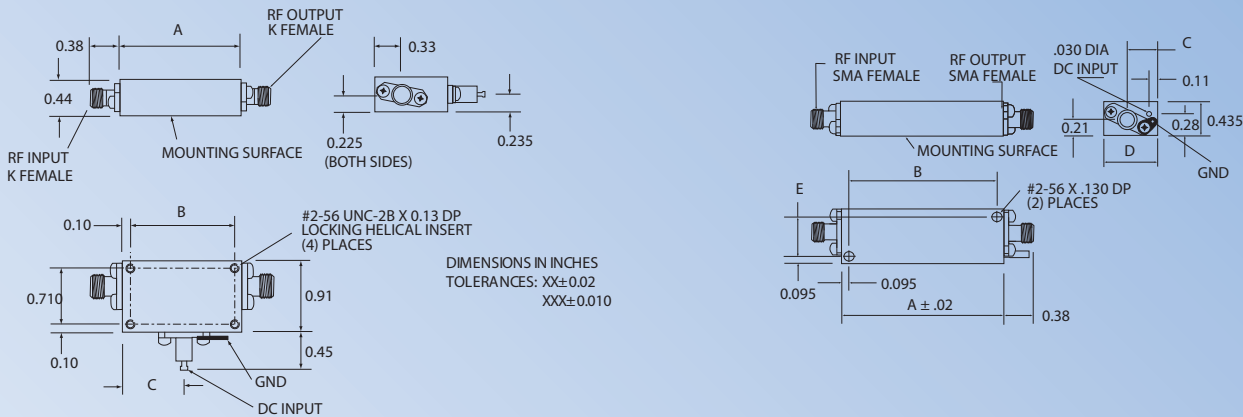


Case Type	Dimension (inches)				
	A	B	C	D	E
SC2	1.266	1.070	0.485	0.80	0.610
SC4	1.932	1.742	0.485	0.80	0.610
SC6	2.598	2.408	0.485	0.80	0.610



Case Type	Dimension (inches)			
	A	B	C	D
CEL2	1.10	0.68	0.600	0.940
CEL4	1.60	0.93	1.100	1.440
CEL6	2.10	1.43	1.600	1.940
CEL8	2.60	1.93	2.100	2.440

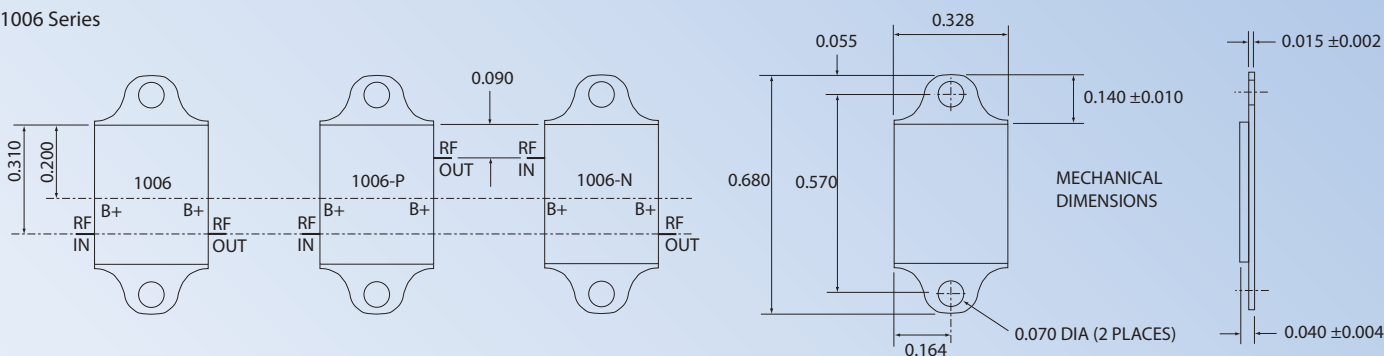




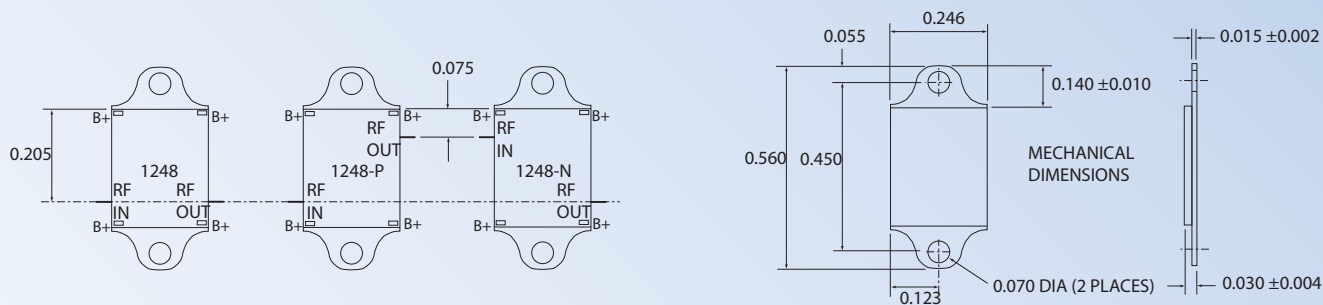
Case Type	Dimension (inches)		
	A	B	C
SK4	0.90	0.698	0.45
SK6	1.19	0.994	0.60
SK8	1.49	1.290	0.75
SK10	1.78	1.586	0.90
SK12	2.08	1.882	1.05

Case Type	Dimension (inches)				
	A	B	C	D	E
SX2	1.100	0.910	0.390	0.70	0.510
SX4	1.600	1.410	0.390	0.70	0.510
SX6	2.100	1.910	0.390	0.70	0.510
SX8	2.600	2.410	0.390	0.70	0.510

1006 Series



1248 Series





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