

18.0 to 40.0 GHz Amplifiers

Model	Frequency Response (GHz)	Gain (dB)	Gain vs Temperature at any Frequency (±dB)	Noise Figure (dB)	Power Output for 1 dB Compression (+dBm)	Gain Flatness vs Freq (±dB)	3rd Order Intercept Point (+dBm)	Input (1) DC current @ +12V (mA)	Case Type
	Min	Min	Max	Max	Min	Max	Typ	Max	
CMT Model Amplifiers with Guaranteed Specifications from -54°C to +90°C									
CMT-26-1804	18-26	15	0.75	10	13 (5)	1.25	19	260	SK6
CMT-26-1806	18-26	24	1.00	9	13 (5)	1.50	19	320	SK8
CMT-26-1808	18-26	34	1.25	9	13 (5)	1.75	19	410	SK10
CMT-40-1805	18-40	13	1.50	12	11	1.50	17	320	SK6
CMT-40-1807	18-40	20	2.00	10	12	2.00	18	460	SK8
CMT-40-1809	18-40	29	3.00	10	12	2.50	18	540	SK10
CMT-40-2605	26-40	15	1.00	12	11	1.00	17	320	SK6
CMT-40-2607	26-40	22	1.50	10	12	1.50	18	460	SK8
CMT-40-2609	26-40	31	2.00	10	12	2.00	18	540	SK10
CMT-40-2611	26-40	36	2.50	10	12	2.50	18	600	SK12

CMA Model Amplifiers with Guaranteed Specifications at +25°C

CMA-26-1804	18-26	21	-	8	14	1.00	20	215	SK6
CMA-26-1806	18-26	32	-	8	14	1.25	20	300	SK6
CMA-26-1808	18-26	42	-	8	14	1.50	20	380	SK8
CMA-40-1806	18-40	23	-	10	13 (5)	1.75	19	400	SK6
CMA-40-1808	18-40	32	-	10	13 (5)	2.00	19	490	SK8
CMA-40-1810	18-40	40	-	10	13 (5)	2.50	19	560	SK10
CMA-40-1812	18-40	45	-	10	13 (5)	3.00	19	600	SK12
CMA-40-2606	26-40	25	-	9	13 (5)	1.50	19	400	SK6
CMA-40-2608	26-40	34	-	9	13 (5)	1.75	19	480	SK8
CMA-40-2610	26-40	43	-	9	13 (5)	2.25	19	560	SK10

NOTES:

1. All amplifiers incorporate a voltage regulator capable of working over a +12 to +18 VDC range.
2. Maximum input power without damage for all amplifiers is +20 dBm CW.
3. All specified temperatures are case temperatures. All amplifiers

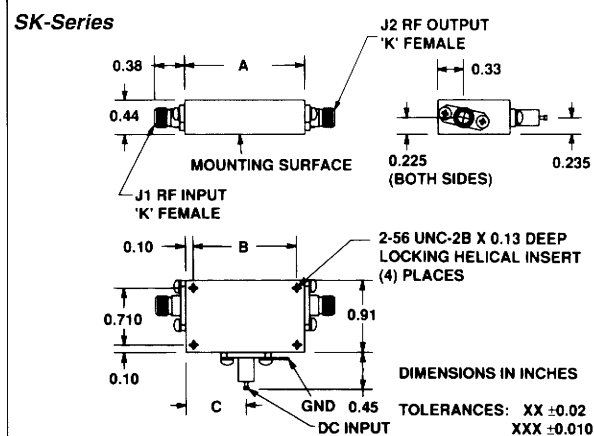
should be properly mounted to ensure adequate heat sinking during operation.

4. Input and output VSWRs are 2.0:1 Max for all amplifiers listed.
5. +15 dBm power output available, contact the factory.

Amplifier Cases

Celeritek cases use welded seals, and glass-to-metal feed-thru's, providing a high-reliability case which meets the gross and fine leak requirements for military applications. All case types include "K" type field-replaceable connectors. 2.4 mm coaxial connectors or waveguide innerface connections are available as an option.

Package Outline



SK-Series

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

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