



**Communications Band Amplifiers with Integrated Detector, Variable Gain Control, Output Sample Coupler Port and Temperature Compensation:**

Ciao Wireless features a comprehensive product line of Amplifier Sub-Assemblies for Communication Systems with narrow and broadband performance.

**This product line features: Integrated Detector Output, Coupler-Sample Port, Voltage Variable Gain Control. Digital Attenuation Control is available as an option.**

**Each unit includes Temperature Compensation** in order to maintain minimal gain variation versus temperature performance. Each unit is manufactured in a compact and fully seal full qualification for use in the harshest of commercial, military and Hi-Rel environments. Full hermetic seal (laser weld) is available upon request. All designs are 100% unconditioned. Ciao Wireless can optimize any design to meet your exact requirements should you not find exactly what you require. All designs are competitively priced with fast delivery.

Model Number	Frequency f (GHz)	Gain (dB) (Min/Max)	Flatness (dB) (Max/Typ)	Noise (dB) (Max/Typ)	P-1dB (dBm) (Min)	IP3 (dBm) (Typ)	VSWR Input/Output (Max)	+12/+15 VDC Current (Nom/Max)	Attenuator 15 -dB MIN 0V to +5V	Temp Comm -20 to +70C	Detector +1 to +3V Typ @ < 1.0V Typ @ +5	Coupler 20 dB NOM
CA35-155015ADTC	3.0-5.0	15/22	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	250	YES	YES	YES	NO
CA35-205015ADTC	3.0-5.0	20/27	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	300	YES	YES	YES	NO
CA35-305015ADTC	3.0-5.0	30/32	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	335	YES	YES	YES	NO
CA35-355015ADTC	3.0-5.0	35/42	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	350	YES	YES	YES	NO
CA39-155015ADTC	3.0-9.0	15/22	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	450	YES	YES	YES	NO
CA39-205015ADTC	3.0-9.0	20/27	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	485	YES	YES	YES	NO
CA39-305015ADTC	3.0-9.0	30/32	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	500	YES	YES	YES	NO
CA39-355015ADTC	3.0-9.0	35/42	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	550	YES	YES	YES	NO
CA46-155015ADTC	4.0-6.0	15/22	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	250	YES	YES	YES	NO
CA46-205015ADTC	4.0-6.0	20/27	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	300	YES	YES	YES	NO
CA46-305015ADTC	4.0-6.0	30/32	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	350	YES	YES	YES	NO
CA46-355015ADTC	4.0-6.0	35/42	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	400	YES	YES	YES	NO
CA57-155015ADTC	5.0-7.0	15/22	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	250	YES	YES	YES	NO
CA57-205015ADTC	5.0-7.0	20/27	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	300	YES	YES	YES	NO
CA57-305015ADTC	5.0-7.0	30/32	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	350	YES	YES	YES	NO
CA57-355015ADTC	5.0-7.0	35/42	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	400	YES	YES	YES	NO
CA710-155015ADTC	7.0-10.0	15/22	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	350	YES	YES	YES	NO
CA710-205015ADTC	7.0-10.0	20/27	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	375	YES	YES	YES	NO
CA710-305015ADTC	7.0-10.0	30/32	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	435	YES	YES	YES	NO
CA710-355015ADTC	7.0-10.0	35/42	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	450	YES	YES	YES	NO
CA1013-155015ADTC	10.0-13.0	15/22	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	350	YES	YES	YES	NO
CA1013-205015ADTC	10.0-13.0	20/27	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	385	YES	YES	YES	NO
CA1013-305015ADTC	10.0-13.0	30/32	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	400	YES	YES	YES	NO
CA1013-355015ADTC	10.0-13.0	35/42	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	450	YES	YES	YES	NO
CA1216-155015ADTC	12.0-16.0	15/22	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	385	YES	YES	YES	NO
CA1216-205015ADTC	12.0-16.0	20/27	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	400	YES	YES	YES	NO
CA1216-305015ADTC	12.0-16.0	30/32	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	435	YES	YES	YES	NO
CA1216-355015ADTC	12.0-16.0	35/42	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	450	YES	YES	YES	NO
CA1315-155015ADTC	13.0-15.0	15/22	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	335	YES	YES	YES	NO
CA1315-205015ADTC	13.0-15.0	20/27	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	350	YES	YES	YES	NO
CA1315-305015ADTC	13.0-15.0	30/32	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	385	YES	YES	YES	NO
CA1315-355015ADTC	13.0-15.0	35/42	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	400	YES	YES	YES	NO
CA1822-155015ADTC	18.0-22.0	15/22	±1.5/±1.0	8.5/7.0	15	25	2.0:1 / 2.0:1	580	YES	YES	YES	NO
CA1822-205015ADTC	18.0-22.0	20/27	±1.5/±1.0	8.5/7.0	15	25	2.0:1 / 2.0:1	580	YES	YES	YES	NO
CA1822-305015ADTC	18.0-22.0	30/32	±1.5/±1.0	6.0/4.5	15	25	2.0:1 / 2.0:1	650	YES	YES	YES	NO
CA1822-355015ADTC	18.0-22.0	35/42	±1.5/±1.0	6.0/4.5	15	25	2.0:1 / 2.0:1	650	YES	YES	YES	NO
CA2832-155015ADTC	28.0-32.0	15/22	±1.5/±1.0	9.5/8.0	15	25	2.2:1 / 2.2:1	750	YES	YES	YES	NO
CA2832-205015ADTC	28.0-32.0	20/27	±1.5/±1.0	9.5/8.0	15	25	2.2:1 / 2.2:1	750	YES	YES	YES	NO
CA2832-305015ADTC	28.0-32.0	30/32	±1.5/±1.0	7.0/5.0	15	25	2.2:1 / 2.2:1	800	YES	YES	YES	NO
CA2832-355015ADTC	28.0-32.0	35/42	±1.5/±1.0	7.0/5.0	15	25	2.2:1 / 2.2:1	800	YES	YES	YES	NO

Ciao Wireless, Inc.

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CA35-205015ADCTC	3.0-5.0	20/27	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	300	YES	YES	YES	YES
CA35-305015ADCTC	3.0-5.0	30/32	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	335	YES	YES	YES	YES
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CA39-155015ADCTC	3.0-9.0	15/22	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	450	YES	YES	YES	YES
CA39-205015ADCTC	3.0-9.0	20/27	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	485	YES	YES	YES	YES
CA39-305015ADCTC	3.0-9.0	30/32	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	500	YES	YES	YES	YES
CA39-355015ADCTC	3.0-9.0	35/42	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	550	YES	YES	YES	YES
CA46-155015ADCTC	4.0-6.0	15/22	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	250	YES	YES	YES	YES
CA46-205015ADCTC	4.0-6.0	20/27	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	300	YES	YES	YES	YES
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CA1013-155015ADCTC	10.0-13.0	15/22	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	350	YES	YES	YES	YES
CA1013-205015ADCTC	10.0-13.0	20/27	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	385	YES	YES	YES	YES
CA1013-305015ADCTC	10.0-13.0	30/32	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	400	YES	YES	YES	YES
CA1013-355015ADCTC	10.0-13.0	35/42	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	450	YES	YES	YES	YES
CA1216-155015ADCTC	12.0-16.0	15/22	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	385	YES	YES	YES	YES
CA1216-205015ADCTC	12.0-16.0	20/27	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	400	YES	YES	YES	YES
CA1216-305015ADCTC	12.0-16.0	30/32	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	435	YES	YES	YES	YES
CA1216-355015ADCTC	12.0-16.0	35/42	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	450	YES	YES	YES	YES
CA1315-155015ADCTC	13.0-15.0	15/22	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	335	YES	YES	YES	YES
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CA1315-355015ADCTC	13.0-15.0	35/42	±0.75/±0.6	5.0/3.0	15	25	2.0:1 / 2.0:1	400	YES	YES	YES	YES
CA1822-155015ADCTC	18.0-22.0	15/22	±1.5/±1.0	8.5/7.0	15	25	2.0:1 / 2.0:1	580	YES	YES	YES	YES
CA1822-205015ADCTC	18.0-22.0	20/27	±1.5/±1.0	8.5/7.0	15	25	2.0:1 / 2.0:1	580	YES	YES	YES	YES
CA1822-305015ADCTC	18.0-22.0	30/32	±1.5/±1.0	6.0/4.5	15	25	2.0:1 / 2.0:1	650	YES	YES	YES	YES
CA1822-355015ADCTC	18.0-22.0	35/42	±1.5/±1.0	6.0/4.5	15	25	2.0:1 / 2.0:1	650	YES	YES	YES	YES
CA2832-155015ADCTC	28.0-32.0	15/22	±1.5/±1.0	9.5/8.0	15	25	2.2:1 / 2.2:1	750	YES	YES	YES	YES
CA2832-205015ADCTC	28.0-32.0	20/27	±1.5/±1.0	9.5/8.0	15	25	2.2:1 / 2.2:1	750	YES	YES	YES	YES
CA2832-305015ADCTC	28.0-32.0	30/32	±1.5/±1.0	7.0/5.0	15	25	2.2:1 / 2.2:1	800	YES	YES	YES	YES
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