



**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 (dB) (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
CA0018-155015ADTC	0.01-18.0	15/22	±2.5/±1.75	9.0/6.0*	15	25	2.2:1 / 2.2:1	400	YES	YES	YES	NO
CA0018-205015ADTC	0.01-18.0	20/27	±2.5/±1.75	9.0/6.0*	15	25	2.2:1 / 2.2:1	450	YES	YES	YES	NO
CA0018-305015ADTC	0.01-18.0	30/32	±2.5/±1.75	9.0/6.0*	15	25	2.2:1 / 2.2:1	485	YES	YES	YES	NO
CA0018-355015ADTC	0.01-18.0	35/42	±2.5/±1.75	9.0/6.0*	15	25	2.2:1 / 2.2:1	500	YES	YES	YES	NO
CA0022-155015ADTC	0.01-22.0	15/22	±2.5/±1.75	9.0/6.0*	15	25	2.2:1 / 2.2:1	400	YES	YES	YES	NO
CA0022-205015ADTC	0.01-22.0	20/27	±2.5/±1.75	9.0/6.0*	15	25	2.2:1 / 2.2:1	450	YES	YES	YES	NO
CA0022-305015ADTC	0.01-22.0	30/32	±2.5/±1.75	9.0/6.0*	15	25	2.2:1 / 2.2:1	485	YES	YES	YES	NO
CA0022-355015ADTC	0.01-22.0	35/42	±2.5/±1.75	9.0/6.0*	15	25	2.2:1 / 2.2:1	500	YES	YES	YES	NO
CA118-155015ADTC	1.0-18.0	15/22	±2.5/±1.75	8.0/6.0	15	25	2.2:1 / 2.2:1	435	YES	YES	YES	NO
CA118-205015ADTC	1.0-18.0	20/27	±2.5/±1.75	8.0/6.0	15	25	2.2:1 / 2.2:1	450	YES	YES	YES	NO
CA118-305015ADTC	1.0-18.0	30/32	±2.5/±1.75	7.0/5.0	15	25	2.2:1 / 2.2:1	465	YES	YES	YES	NO
CA118-355015ADTC	1.0-18.0	35/42	±2.5/±1.75	7.0/5.0	15	25	2.2:1 / 2.2:1	500	YES	YES	YES	NO
CA0018-155015ADCTC	0.01-18.0	15/22	±2.5/±1.75	9.0/6.0*	15	25	2.2:1 / 2.2:1	400	YES	YES	YES	YES
CA0018-205015ADCTC	0.01-18.0	20/27	±2.5/±1.75	9.0/6.0*	15	25	2.2:1 / 2.2:1	450	YES	YES	YES	YES
CA0018-305015ADCTC	0.01-18.0	30/32	±2.5/±1.75	9.0/6.0*	15	25	2.2:1 / 2.2:1	485	YES	YES	YES	YES
CA0018-355015ADCTC	0.01-18.0	35/42	±2.5/±1.75	9.0/6.0*	15	25	2.2:1 / 2.2:1	500	YES	YES	YES	YES
CA0022-155015ADCTC	0.01-22.0	15/22	±2.5/±1.75	9.0/6.0*	15	25	2.2:1 / 2.2:1	400	YES	YES	YES	YES
CA0022-205015ADCTC	0.01-22.0	20/27	±2.5/±1.75	9.0/6.0*	15	25	2.2:1 / 2.2:1	450	YES	YES	YES	YES
CA0022-305015ADCTC	0.01-22.0	30/32	±2.5/±1.75	9.0/6.0*	15	25	2.2:1 / 2.2:1	485	YES	YES	YES	YES
CA0022-355015ADCTC	0.01-22.0	35/42	±2.5/±1.75	9.0/6.0*	15	25	2.2:1 / 2.2:1	500	YES	YES	YES	YES
CA118-155015ADCTC	1.0-18.0	15/22	±2.5/±1.75	8.0/6.0	15	25	2.2:1 / 2.2:1	435	YES	YES	YES	YES
CA118-205015ADCTC	1.0-18.0	20/27	±2.5/±1.75	8.0/6.0	15	25	2.2:1 / 2.2:1	450	YES	YES	YES	YES
CA118-305015ADCTC	1.0-18.0	30/32	±2.5/±1.75	7.0/5.0	15	25	2.2:1 / 2.2:1	465	YES	YES	YES	YES
CA118-355015ADCTC	1.0-18.0	35/42	±2.5/±1.75	7.0/5.0	15	25	2.2:1 / 2.2:1	500	YES	YES	YES	YES