

Digital Control Attenuators

FEATURES:

- ❖ Frequency Range: DC-20GHz
- ❖ Available in binary 4 to 8 bits configuration With 0.5dB resolution and up to 64dB total attenuation
- ❖ Precision, reliability and repeatability
- ❖ Economically Priced

APPLICATIONS:

- ❖ Automatic Gain Control
- ❖ Communications Systems
- ❖ Leveling Circuits
- ❖ Precision Test Equipment
- ❖ Electronic Simulators



CAD Series

SPECIFICATIONS:

Model Number	Frequency Range (GHz)	Bit	Insertion Loss (dB) Typ. @ mid Band	Attenuation Range (dB)	Flatness (dB) Typ	Attenuation Accuracy (dB) Typ.	VSWR	Operating Temp. (°C)	Supply Voltage (V)	Size LxWxH (mm)
CADDC020515TY	DC – 2	5	1.9	15.5	-	± 0.15	1.6	-55 to +85	-8.5V	*
CADDC130631H	DC – 13	6	4.0	31.5	-	± 0.5	1.8	-55 to +85	-5V	LN2A-1
CADU1U50990	0.1-0.5	9	10.0	90	± 1.5	-	2.1	0 to +45	±15V	*
CADU5080631	0.5-8	6	3.0	31.5	-	± 0.5	2.0	-55 to +85	-	*
CADU5080763	0.5-8	7	8.0 Max	63	± 2	± 1	2.2	-55 to +85	12V@100mA -12V/100mA	50x35x15
CADU5180631	0.5-18	6	5.0	31.5	-	± 1	2.0	-55 to +85	-	*
CADU5180763	0.5-18	7	10.0	63	-	± 1.5	2.0	-	-	*
CAD01180631	1-18	6	5.0	31.5	-	± 1	2.0	-55 to +85	-5V	LN2A-1
CAD01180763	1-18	7	10.0	63	-	± 1.5	2.0	-55 to +85	-	*
CAD02060631	2-6	6	3	31.5	-	± 1	2.0	-55 to +85	-	*
CAD02060763	2-6	7	6.0	63	-	± 1	2.0	-55 to +85	-	*
CAD02080763	2-8	7	6.0	63	-	± 1	1.8	-55 to +85	-	*
CAD02180760	2-18	7	5.0	60	-	-	2.0 typ	-55 to +85	±5v	*
CAD02080631H	2.4 – 8	6	3.5	31.5	-	± 0.5	1.8	-55 to +85	+5V	*
CAD04080631	4–8	6	3.0	31.5	± 1	± 0.5	1.8	-40 to +70	-	*
CAD04080763	4–8	7	6	63	± 1.5	± 1	1.8	-40 to +70	-	*
CAD08120631	8-12	6	4.0	31.5	± 0.75	± 0.5	1.5	-40 to +70	-	*

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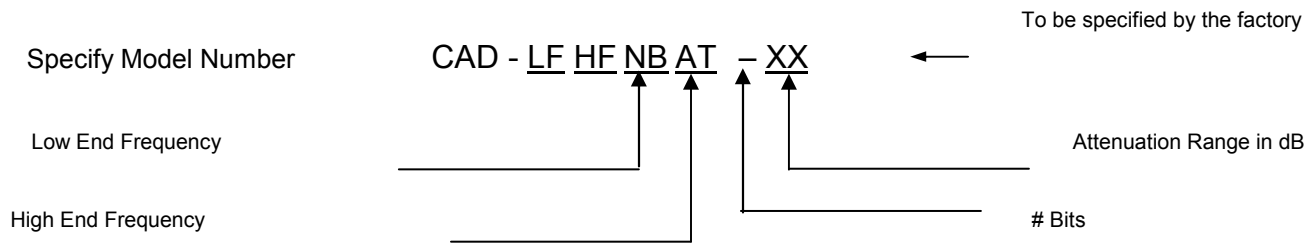
Model Number	Frequency Range (GHz)	Bit	Insertion Loss (dB) Typ. @ mid Band	Attenuation Range (dB)	Flatness (dB) Typ	Attenuation Accuracy (dB) Typ.	VSWR	Operating Temp. (°C)	Supply Voltage (V)	Case Type
CAD08120763	8-12	7	8.0	63	± 1	± 1	1.5	-40 to +70	-5V@10mA Typ	HN2A-X
CAD08180631	8-18	6	4.5	31.5	±1	± 1	2.0	-40 to +70	-5V@10mA Typ	HN2A-X
CAD08180763	8-18	7	6.0	63	-	± 1	2.0	-40 to +70	-5V@10mA Typ**	HN2A-X
CAD12180732	12-18	6	4.5	31.5	±0.75	± 1	2.0	-40 to +70	-5V@10mA Typ	HN2A-1
CAD12180764	12-18	7	8.0	63	± 1	± 1	2.0	-40 to +70	-5V@10mA Typ	HN2A-X

OTHER FREQUENCIES ARE ALSO AVAILABLE.

*CONSULT THE FACTORY

** CONTROL VOLTAGE:0,-5V

HOW TO ORDER:



Example: To order a CAD with Low End Frequency at 2.4GHz and High End Frequency at 8.0 GHz with 6-Bit at Attenuation Range 31.5dB , specify CAD02080631-XX.

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE