

### FEATURES

- ❖ Rugged construction
- ❖ Full band operation
- ❖ Up to 60 dB attenuation
- ❖ DC-180GHz

### APPLICATIONS

- ❖ Test equipment
- ❖ Subsystems
- ❖ Prototypes



**CFA Series**

### DESCRIPTION

Cernexwave's CFA Series Fixed Setting Attenuators are offered for the frequency range of DC to 180 GHz in seven waveguide bands. The standard attenuation levels for fixed attenuators are 3, 6, 10, 15, 20, 30 and 60 dB. The fixed setting attenuators are typically used in test set ups and prototype assemblies where a certain attenuation is required.

### SPECIFICATIONS

#### COAXIAL HIGH POWER:

Model No.	Frequency Range (GHz)	Attenuation (dB)(max)	VSWR (max)	Power (W)	Size (mm)	Connector Type
CFADC0210100T	DC - 2.0	10 ±0.40	1.20	100	76x86x230	N
CFADC0220100T	DC - 2.0	20 ±0.70	1.20	100	76x86x230	N
CFADC0230100T	DC - 2.0	30 ±1.00	1.20	100	76x86x230	N
CFADC0240100T	DC - 2.0	40 ±1.20	1.20	100	76x86x230	N
CFADC0250100T	DC - 2.0	50 ±1.40	1.20	100	76x86x230	N
CFADC0210150T	DC - 2.0	10 ±0.40	1.20	150	115x86x277	N
CFADC0220150T	DC - 2.0	20 ±0.70	1.20	150	115x86x277	N
CFADC0230150T	DC - 2.0	30 ±1.00	1.20	150	115x86x277	N
CFADC0240150T	DC - 2.0	40 ±1.20	1.20	150	115x86x277	N
CFADC0250150T	DC - 2.0	50 ±1.50	1.20	150	115x86x277	N
CFADC0210200T	DC - 2.0	10 ±0.40	1.20	200	115x86x277	N
CFADC0220200T	DC - 2.0	20 ±0.70	1.20	200	115x86x277	N
CFADC0230200T	DC - 2.0	30 ±1.00	1.20	200	115x86x277	N
CFADC0240200T	DC - 2.0	40 ±1.20	1.20	200	115x86x277	N



## Fixed Setting Attenuators (Waveguide & Coaxial)

Model No.	Frequency Range (GHz)	Attenuation (dB)(max)	VSWR (max)	Power (W)	Size (mm)	Connector Type
CFADC0240200T	DC - 2.0	50 ±1.50	1.20	200	115x86x277	N
CFADC0210250T	DC - 2.0	10 ±0.40	1.20	250	132x140x353	N
CFADC0220250T	DC - 2.0	20 ±0.70	1.20	250	132x140x353	N
CFADC0230250T	DC - 2.0	30 ±1.00	1.20	250	132x140x353	N
CFADC0240250T	DC - 2.0	40 ±1.20	1.20	250	132x140x353	N
CFADC0250250T	DC - 2.0	50 ±1.50	1.20	250	132x140x353	N
CFADC0210300T	DC - 2.0	10 ±0.40	1.20	300	132x140x353	N
CFADC0220300T	DC - 2.0	20 ±0.70	1.20	300	132x140x353	N
CFADC0230300T	DC - 2.0	30 ±1.00	1.20	300	132x140x353	N
CFADC0240300T	DC - 2.0	40 ±1.20	1.20	300	132x140x353	N
CFADC0250300T	DC - 2.0	50 ±1.50	1.20	300	132x140x353	N
CFADC0210400T	DC - 2.0	10 ±0.40	1.20	400	132x140x437	N
CFADC0220400T	DC - 2.0	20 ±0.70	1.20	400	132x140x437	N
CFADC0230400T	DC - 2.0	30 ±1.00	1.20	400	132x140x437	N
CFADC0240400T	DC - 2.0	40 ±1.20	1.20	400	132x140x437	N
CFADC0250400T	DC - 2.0	50 ±1.50	1.20	400	132x140x437	N
CFADC0210500T	DC - 2.0	10 ±0.40	1.20	500	132x140x437	N
CFADC0220500T	DC - 2.0	20 ±0.70	1.20	500	132x140x437	N
CFADC0230500T	DC - 2.0	30 ±1.00	1.20	500	132x140x437	N
CFADC0240500T	DC - 2.0	40 ±1.20	1.20	500	132x140x437	N
CFADC0250500T	DC - 2.0	50 ±1.50	1.20	500	132x140x437	N
CFADC02101000T	DC - 2.0	10 ±0.40	1.20	1000	152x260x610	N
CFADC02201000T	DC - 2.0	20 ±0.70	1.20	1000	152x260x610	N
CFADC02301000T	DC - 2.0	30 ±1.00	1.20	1000	152x260x610	N
CFADC02401000T	DC - 2.0	40 ±1.20	1.20	1000	152x260x610	N
CFADC02501000T	DC - 2.0	50 ±1.50	1.20	1000	152x260x610	N
CFADC02302000TM	DC - 2.0	30	1.4	2000	*	N
CFADC02402000TM	DC - 2.0	40	1.4	2000	*	N
CFADC02502000TM	DC - 2.0	50	1.4	2000	*	N
CFADC02602000TM	DC - 2.0	60	1.4	2000	*	N
CFADC02303000TM	DC - 2.0	30	1.4	3000	*	N



## Fixed Setting Attenuators (Waveguide & Coaxial)

Model No.	Frequency Range (GHz)	Attenuation (dB)(max)	VSWR (max)	Power (W)	Size (mm)	Connector Type
CFADC02403000TM	DC - 2.0	40	1.4	3000	*	N
CFADC02503000TM	DC - 2.0	50	1.4	3000	*	N
CFADC02603000TM	DC - 2.0	60	1.4	3000	*	N
CFADC0401400T	DC - 4.0	1	1.3	400	---	SMA-F
CFADC0402400T	DC - 4.0	2	1.3	400	---	SMA-F
CFADC0403400T	DC - 4.0	3	1.3	400	---	SMA-F
CFADC041050T	DC - 4.0	10 ±0.50	1.35	50	76x86x170	N
CFADC042050T	DC - 4.0	20 ±1.00	1.35	50	76x86x170	N
CFADC043050T	DC - 4.0	30 ±1.20	1.35	50	76x86x170	N
CFADC044050T	DC - 4.0	40 ±1.50	1.35	50	76x86x170	N
CFADC0410100T	DC - 4.0	10 ±0.50	1.35	100	76x86x230	N
CFADC0420100T	DC - 4.0	20 ±1.00	1.35	100	76x86x230	N
CFADC0430100T	DC - 4.0	30 ±1.20	1.35	100	76x86x230	N
CFADC0440100T	DC - 4.0	40 ±1.50	1.35	100	76x86x230	N
CFADC0450100T	DC - 4.0	50 ±1.70	1.35	100	76x86x230	N
CFADC0410150T	DC - 4.0	10 ±0.50	1.35	150	115x86x277	N
CFADC0420150T	DC - 4.0	20 ±1.00	1.35	150	115x86x277	N
CFADC0430150T	DC - 4.0	30 ±1.20	1.35	150	115x86x277	N
CFADC0430400T	DC - 4.0	30	1.3	400	---	SMA-F
CFADC0440150T	DC - 4.0	40 ±1.50	1.35	150	115x86x277	N
CFADC0450150T	DC - 4.0	50 ±1.70	1.35	150	115x86x277	N
CFADC0410200T	DC - 4.0	10 ±0.50	1.35	200	115x86x277	N
CFADC0420200T	DC - 4.0	20 ±1.00	1.35	200	115x86x277	N
CFADC0430200T	DC - 4.0	30 ±1.20	1.35	200	115x86x277	N
CFADC0440200T	DC - 4.0	40 ±1.50	1.35	200	115x86x277	N
CFADC0450200T	DC - 4.0	50 ±1.70	1.35	200	115x86x277	N
CFADC0410250T	DC - 4.0	10 ±0.50	1.35	250	132x140x353	N
CFADC0420250T	DC - 4.0	20 ±1.00	1.35	250	132x140x353	N
CFADC0430250T	DC - 4.0	30 ±1.20	1.35	250	132x140x353	N
CFADC0440250T	DC - 4.0	40 ±1.50	1.35	250	132x140x353	N
CFADC0450250T	DC - 4.0	50 ±1.70	1.35	250	132x140x353	N



## Fixed Setting Attenuators (Waveguide & Coaxial)

Model No.	Frequency Range (GHz)	Attenuation (dB)(max)	VSWR (max)	Power (W)	Size (mm)	Connector Type
CFADC0410300T	DC - 4.0	10 ±0.50	1.35	300	132x140x353	N
CFADC0420300T	DC - 4.0	20 ±1.00	1.35	300	132x140x353	N
CFADC0430300T	DC - 4.0	30 ±1.20	1.35	300	132x140x353	N
CFADC0440300T	DC - 4.0	40 ±1.50	1.35	300	132x140x353	N
CFADC0450300T	DC - 4.0	50 ±1.70	1.35	300	132x140x353	N
CFADC0410400T	DC - 4.0	10 ±0.50	1.35	400	132x140x437	N
CFADC0420400T	DC - 4.0	20 ±1.00	1.35	400	132x140x437	N
CFADC0430400T	DC - 4.0	30 ±1.20	1.35	400	132x140x437	N
CFADC0440400T	DC - 4.0	40 ±1.50	1.35	400	132x140x437	N
CFADC0450400T	DC - 4.0	50 ±1.70	1.35	400	132x140x437	N
CFADC0410500T	DC - 4.0	10 ±0.50	1.35	500	132x140x437	N
CFADC0420500T	DC - 4.0	20 ±1.00	1.35	500	132x140x437	N
CFADC0430500T	DC - 4.0	30 ±1.20	1.35	500	132x140x437	N
CFADC0440500T	DC - 4.0	40 ±1.50	1.35	500	132x140x437	N
CFADC0450500T	DC - 4.0	50 ±1.70	1.35	500	132x140x437	N
CFADC04101000T	DC - 4.0	10 ±0.50	1.35	1000	152x260x610	N
CFADC04201000T	DC - 4.0	20 ±1.00	1.35	1000	152x260x610	N
CFADC04301000T	DC - 4.0	30 ±1.20	1.35	1000	152x260x610	N
CFADC04401000T	DC - 4.0	40 ±1.50	1.35	1000	152x260x610	N
CFADC04501000T	DC - 4.0	50 ±1.70	1.35	1000	152x260x610	N
CFADC0503250W	DC - 5.0	3 ±1.50	1.25	250	*	SMA
CFADC0506250W	DC - 5.0	6 ±1.50	1.25	250	*	SMA
CFADC0510250W	DC - 5.0	10 ±1.50	1.25	250	*	SMA
CFADC0515250W	DC - 5.0	15 ±1.50	1.25	250	*	SMA
CFADC0520250W	DC - 5.0	20 ±1.50	1.25	250	*	SMA
CFADC0530250W	DC - 5.0	30 ±1.75	1.25	250	*	SMA
CFADC0506250WN	DC - 5.0	6 ±1.50	*	250	*	N-F/F
CFADC0510250WN	DC - 5.0	10 ±1.50	*	250	*	N-F/F
CFADC0520250WN	DC - 5.0	20 ±1.50	*	250	*	N-F/F
CFADC0530250WN	DC - 5.0	30 ±1.75	*	250	*	N-F/F
CFADC0510300W	DC - 5.0	10 ±0.75	1.45	300	*	SMA



## Fixed Setting Attenuators (Waveguide & Coaxial)

Model No.	Frequency Range (GHz)	Attenuation (dB)(max)	VSWR (max)	Power (W)	Size (mm)	Connector Type
CFADC0515300W	DC - 5.0	15 ±0.75	1.45	300	*	SMA
CFADC0520300W	DC - 5.0	20 ±0.75	1.45	300	*	SMA
CFADC0530300W	DC - 5.0	30 ±0.75	1.45	300	*	SMA
CFADC0503500W	DC - 5.0	3 ±0.50	1.35	500	*	SMA
CFADC0506500W	DC - 5.0	6 ±1.00	1.35	500	*	SMA
CFADC0510500W	DC - 5.0	10 ±1.00	1.35	500	*	SMA
CFADC0515500W	DC - 5.0	15 ±1.00	1.35	500	*	SMA
CFADC0520500W	DC - 5.0	20 ±0.50	1.35	500	*	SMA
CFADC0530500W	DC - 5.0	30 ±0.50	1.35	500	*	SMA
CFADC0540500W	DC - 5.0	40 ±0.50	1.35	500	*	SMA
CFADC061005T	DC - 6.0	10 ±0.50	1.20	5	*	SMA
CFADC062005T	DC - 6.0	20 ±0.50	1.20	5	*	SMA
CFADC061010N	DC - 6.0	10 ±0.50	1.20	10	*	N
CFADC062050N	DC - 6.0	20 ±0.75	1.30	50	*	N
CFADC063050N	DC - 6.0	30 ±1.00	1.30	50	*	N
CFADC0810100W	DC - 8.5	10 ±0.75	1.45	100	*	SMA
CFADC0815100W	DC - 8.5	15 ±0.75	1.45	100	*	SMA
CFADC0820100W	DC - 8.5	20 ±0.75	1.45	100	*	SMA
CFADC0830100W	DC - 8.5	30 ±0.75	1.45	100	*	SMA
CFADC0810250W	DC - 8.5	10 ±0.75	1.45	250	*	SMA
CFADC0815250W	DC - 8.5	15 ±0.75	1.45	250	*	SMA
CFADC0820250W	DC - 8.5	20 ±0.75	1.45	250	*	SMA
CFADC0830250W	DC - 8.5	30 ±0.75	1.45	250	*	SMA
CFADC0810300W	DC - 8.5	10 ±0.75	1.45	300	*	SMA
CFADC0815300W	DC - 8.5	15 ±0.75	1.45	300	*	SMA
CFADC0820300W	DC - 8.5	20 ±0.75	1.45	300	*	SMA
CFADC0830300W	DC - 8.5	30 ±0.75	1.45	300	*	SMA
CFADC0810500W	DC - 8.5	10 ±0.75	1.45	500	*	SMA
CFADC0820500W	DC - 8.5	20 ±0.75	1.45	500	*	SMA
CFADC0830500W	DC - 8.5	30 ±0.75	1.45	500	*	SMA
CFADC0840500W	DC - 8.5	40 ±1.00	1.45	500	*	SMA



## Fixed Setting Attenuators (Waveguide & Coaxial)

Model No.	Frequency Range (GHz)	Attenuation (dB)(max)	VSWR (max)	Power (W)	Size (mm)	Connector Type
CFADC180305W	DC - 18.0	3 ±1.50	1.60	5	*	SMA
CFADC180605W	DC - 18.0	6 ±1.50	1.60	5	*	SMA
CFADC181005W	DC - 18.0	10 ±1.50	1.60	5	*	SMA
CFADC181505W	DC - 18.0	15 ±1.50	1.60	5	*	SMA
CFADC182005W	DC - 18.0	20 ±2.00	1.60	5	*	SMA
CFADC183005W	DC - 18.0	30 ±2.00	1.60	5	*	SMA
CFADC180305WN	DC - 18.0	3 ±1.50	1.60	5	*	N
CFADC180605WN	DC - 18.0	6 ±1.50	1.60	5	*	N
CFADC181005WN	DC - 18.0	10 ±1.50	1.60	5	*	N
CFADC181505WN	DC - 18.0	15 ±1.50	1.60	5	*	N
CFADC182005WN	DC - 18.0	20 ±2.00	1.60	5	*	N
CFADC182505WN	DC - 18.0	25 ±2.00	1.60	5	*	N
CFADC183005WN	DC - 18.0	30 ±2.00	1.60	5	*	N
CFADC184005WN	DC - 18.0	40 ±2.00	1.60	5	*	N
CFADC180310W	DC - 18.0	3 ±1.50	1.60	10	*	SMA
CFADC180610W	DC - 18.0	6 ±1.50	1.60	10	*	SMA
CFADC181010W	DC - 18.0	10 ±1.50	1.60	10	*	SMA
CFADC181510W	DC - 18.0	15 ±1.50	1.60	10	*	SMA
CFADC182010W	DC - 18.0	20 ±2.00	1.60	10	*	SMA
CFADC183010W	DC - 18.0	30 ±2.00	1.60	10	*	SMA
CFADC180325W	DC - 18.0	3 ±1.50	1.60	25	*	SMA
CFADC180625W	DC - 18.0	6 ±1.50	1.60	25	*	SMA
CFADC181025W	DC - 18.0	10 ±1.50	1.60	25	*	SMA
CFADC181525W	DC - 18.0	15 ±1.50	1.60	25	*	SMA
CFADC182025W	DC - 18.0	20 ±2.00	1.60	25	*	SMA
CFADC183025W	DC - 18.0	30 ±2.00	1.60	25	*	SMA
CFADC180350W	DC - 18.0	3 ±1.00	1.60	50	*	SMA
CFADC180650W	DC - 18.0	6 ±1.00	1.60	50	*	SMA
CFADC181050W	DC - 18.0	10 ±1.00	1.60	50	*	SMA
CFADC181550W	DC - 18.0	15 ±1.00	1.60	50	*	SMA
CFADC182050W	DC - 18.0	20 ±1.25	1.60	50	*	SMA



## Fixed Setting Attenuators (Waveguide & Coaxial)

Model No.	Frequency Range (GHz)	Attenuation (dB)(max)	VSWR (max)	Power (W)	Size (mm)	Connector Type
CFADC183050W	DC - 18.0	30 ±1.25	1.60	50	*	SMA
CFADC1810100W	DC - 18.0	10 ±1.00	1.60	100	*	SMA
CFADC1815100W	DC - 18.0	15 ±1.00	1.60	100	*	SMA
CFADC1820100W	DC - 18.0	20 ±1.25	1.60	100	*	SMA
CFADC1830100W	DC - 18.0	30 ±1.25	1.60	100	*	SMA
CFADC1810150W	DC - 18.0	10 ±2.00	1.90	150	*	SMA
CFADC1820150W	DC - 18.0	20 ±1.50	1.50	150	*	SMA
CFADC1820200W	DC - 18.0	20+/-3.00	1.50	200	*	SMA
CFADC1830150W	DC - 18.0	30 ±1.50	1.50	150	*	SMA
CFADC1840150W	DC - 18.0	40 ±1.50	1.50	150	*	SMA
CFADC262025W	DC - 26.5	20 ±1.5	1.30	25W CW/500 W Peak	*	2.92mmF/F
CFADC262025W1	DC - 26.5	20 ±1.5	1.30	25W CW/500 W Peak	*	2.92mmF/M
CFADC400305W	DC - 40.0	3 ±1.00	1.60	5	*	2.92mm
CFADC400605W	DC - 40.0	6 ±1.00	1.60	5	*	2.92mm
CFADC401005W	DC - 40.0	10 ±1.00	1.60	5	*	2.92mm
CFADC401505W	DC - 40.0	15 ±1.00	1.60	5	*	2.92mm
CFADC402005W	DC - 40.0	20 ±1.25	1.60	5	*	2.92mm
CFADC403005W	DC - 40.0	30 ±1.25	1.60	5	*	2.92mm
CFADC400610W	DC - 40.0	6 ±1.75	1.40	10	*	2.92mm
CFADC401010W	DC - 40.0	10 ±1.75	1.40	10	*	2.92mm
CFADC402010W	DC - 40.0	20 ±1.75	1.40	10	*	2.92mm
CFADC403010W	DC - 40.0	30 ±1.75	1.40	10	*	2.92mm
CFADC402020W	DC - 40.0	20 Typ	1.60 Typ	20	*	2.92mm

OTHER FREQUENCY BANDS AND ATTENUATION VALUES ARE ALSO AVAILABLE.  
\*CONSULT THE FACTORY

### COAXIAL TUBULAR:

Model No.	Frequency Range (GHz)	Attenuation (dB)(max)	VSWR (max)	Power (W)	Size (mm)	Connector Type
CFADC041002H	DC - 4.0	10 ±0.70	1.10	2	L=60.8	SMA-M/F



## Fixed Setting Attenuators (Waveguide & Coaxial)

Model No.	Frequency Range (GHz)	Attenuation (dB)(max)	VSWR (max)	Power (W)	Size (mm)	Connector Type
CFADC041502H	DC - 4.0	15 ±0.70	1.10	2	L=60.8	SMA-M/F
CFADC042002H	DC - 4.0	20 ±0.80	1.1	2	L=60.8	SMA-M/F
CFADC043002H	DC - 4.0	30 ±0.80	1.1	2	L=60.8	SMA-M/F
CFADC040305H	DC - 4.0	3 ±0.30	1.1	5	L=69	N-M/F
CFADC040505H	DC - 4.0	5 ±0.50	1.1	5	L=69	N-M/F
CFADC040605H	DC - 4.0	6 ±0.50	1.1	5	L=69	N-M/F
CFADC041005H	DC - 4.0	10 ±0.70	1.1	5	L=69	N-M/F
CFADC041505H	DC - 4.0	15 ±0.70	1.1	5	L=69	N-M/F
CFADC042005H	DC - 4.0	20 ±0.80	1.1	5	L=69	N-M/F
CFADC043005H	DC - 4.0	30 ±0.80	1.1	5	L=69	N-M/F
CFADC0403U5H	DC - 4.0	30 ±0.80	1.10	0.5	L=31.7	SMA-M/F
CFADC0405U5H	DC - 4.0	5 ±0.50	1.10	0.5	L=31.7	SMA-M/F
CFADC0406U5H	DC - 4.0	6 ±0.50	1.10	0.5	L=31.7	SMA-M/F
CFADC0410U5H	DC - 4.0	10 ±0.70	1.10	0.5	L=31.7	SMA-M/F
CFADC0415U5H	DC - 4.0	15 ±0.70	1.10	0.5	L=31.7	SMA-M/F
CFADC0420U5H	DC - 4.0	20 ±0.80	1.10	0.5	L=31.7	SMA-M/F
CFADC0430U5H	DC - 4.0	30 ±0.80	1.10	0.5	L=31.7	SMA-M/F
CFADC040301T	DC - 4.0	3 ±0.50	1.20	1	9.5 X 30	SMA
CFADC040601T	DC - 4.0	6 ±0.50	1.20	1	9.5 X 30	SMA
CFADC041001T	DC - 4.0	10 ±0.70	1.20	1	9.5 X 30	SMA
CFADC042001T	DC - 4.0	20 ±1.00	1.20	1	9.5 X 30	SMA
CFADC040302H	DC - 4.0	3 ±0.30	1.10	2	L=69	N-M/F
CFADC040502H	DC - 4.0	5 ±0.50	1.10	2	L=69	N-M/F
CFADC040602H	DC - 4.0	6 ±0.50	1.10	2	L=69	N-M/F
CFADC041002H	DC - 4.0	10 ±0.70	1.10	2	L=69	N-M/F
CFADC041502H	DC - 4.0	15 ±0.70	1.10	2	L=69	N-M/F
CFADC042002H	DC - 4.0	20 ±0.80	1.10	2	L=69	N-M/F
CFADC043002H	DC - 4.0	3 ±0.30	1.10	2	L=69	*
CFADC040302T	DC - 4.0	3 ±0.30	1.30	2	21 X 64	N
CFADC040602T	DC - 4.0	6 ±0.30	1.30	2	21 X 64	N
CFADC041002T	DC - 4.0	10 ±0.50	1.30	2	21 X 64	N
CFADC041502T	DC - 4.0	15 ±0.80	1.30	2	21 X 64	N
CFADC042002T	DC - 4.0	20 ±1.00	1.30	2	21 X 64	N
CFADC043002T	DC - 4.0	30 ±1.50	1.30	2	21 X 64	N
CFADC040305T	DC - 4.0	3 ±0.30	1.25	5	24 X 65	SMA





## Fixed Setting Attenuators (Waveguide & Coaxial)

Model No.	Frequency Range (GHz)	Attenuation (dB)(max)	VSWR (max)	Power (W)	Size (mm)	Connector Type
CFADC040605T	DC - 4.0	6 ±0.30	1.25	5	24 X 65	SMA
CFADC041005T	DC - 4.0	10 ±0.50	1.25	5	24 X 65	SMA
CFADC041505T	DC - 4.0	15 ±0.80	1.25	5	24 X 65	SMA
CFADC042005T	DC - 4.0	20 ±1.00	1.25	5	24 X 65	SMA
CFADC043005T	DC - 4.0	30 ±1.20	1.25	5	24 X 65	SMA
CFADC040325T	DC - 4.0	3 ±0.30	1.35	25	44 X 88	N
CFADC040625T	DC - 4.0	6 ±0.30	1.35	25	44 X 88	N
CFADC041025T	DC - 4.0	10 ±0.50	1.35	25	44 X 88	N
CFADC041525T	DC - 4.0	15 ±0.70	1.35	25	44 X 88	N
CFADC042025T	DC - 4.0	20 ±0.80	1.35	25	44 X 88	N
CFADC043025T	DC - 4.0	30 ±1.00	1.35	25	44 X 88	N
CFADC040330T	DC - 4.0	3 ±0.30	1.35	30	44 X 70	N
CFADC040630T	DC - 4.0	6 ±0.30	1.35	30	44 X 70	N
CFADC041030T	DC - 4.0	10 ±0.50	1.35	30	44 X 70	N
CFADC041530T	DC - 4.0	15 ±0.70	1.35	30	44 X 70	N
CFADC042030T	DC - 4.0	20 ±0.80	1.35	30	44 X 70	N
CFADC043030T	DC - 4.0	30 ±1.00	1.35	30	44 X 70	N
CFADC060302	DC - 6.0	3 ±0.30	1.15	2	*	SMA
CFADC060602	DC - 6.0	6 ±0.30	1.15	2	*	SMA
CFADC061002	DC - 6.0	10 ±0.50	1.15	2	*	SMA
CFADC061502	DC - 6.0	15 ±0.50	1.15	2	*	SMA
CFADC062002	DC - 6.0	20 ±0.50	1.15	2	*	SMA
CFADC063002	DC - 6.0	30 ±0.75	1.15	2	*	SMA
CFADC060302N	DC - 6.0	3 ±0.30	1.15	2	*	N
CFADC060602N	DC - 6.0	6 ±0.30	1.15	2	*	N
CFADC061002N	DC - 6.0	10 ±0.50	1.15	2	*	N
CFADC061502N	DC - 6.0	15 ±0.50	1.15	2	*	N
CFADC062002N	DC - 6.0	20 ±0.50	1.15	2	*	N
CFADC063002N	DC - 6.0	30 ±0.75	1.15	2	*	N
CFADC120301T	DC - 12.4	3 ±0.50	1.35	1	9.5 X 30	SMA
CFADC120601T	DC - 12.4	6 ±0.50	1.35	1	9.5 X 30	SMA
CFADC121001T	DC - 12.4	10 ±1.00	1.35	1	9.5 X 30	SMA
CFADC122001T	DC - 12.4	20 ±1.20	1.35	1	9.5 X 30	SMA
CFADC120302T	DC - 12.4	3 ±0.40	1.35	2	21 X 64	N
CFADC120602T	DC - 12.4	6 ±0.50	1.35	2	21 X 64	N



## Fixed Setting Attenuators (Waveguide & Coaxial)

Model No.	Frequency Range (GHz)	Attenuation (dB)(max)	VSWR (max)	Power (W)	Size (mm)	Connector Type
CFADC121002T	DC - 12.4	10 ±0.70	1.35	2	21 X 64	N
CFADC121502T	DC - 12.4	15 ±1.00	1.35	2	21 X 64	N
CFADC122002T	DC - 12.4	20 ±1.20	1.35	2	21 X 64	N
CFADC123002T	DC - 12.4	30 ±1.50	1.35	2	21 X 64	N
CFADC120310T	DC - 12.4	3 ±0.40	1.40	10	35 X 64	SMA
CFADC120610T	DC - 12.4	6 ±0.50	1.40	10	35 X 64	SMA
CFADC121010T	DC - 12.4	10 ±0.70	1.40	10	35 X 64	SMA
CFADC121510T	DC - 12.4	15 ±1.00	1.40	10	35 X 64	SMA
CFADC122010T	DC - 12.4	20 ±1.20	1.40	10	35 X 64	SMA
CFADC123010T	DC - 12.4	30 ±1.50	1.40	10	35 X 64	SMA
CFADC120315T	DC - 12.4	3 ±0.40	1.40	15	35 X 64	N
CFADC120615T	DC - 12.4	6 ±0.50	1.40	15	35 X 64	N
CFADC121015T	DC - 12.4	10 ±0.70	1.40	15	35 X 64	N
CFADC121515T	DC - 12.4	15 ±1.00	1.40	15	35 X 64	N
CFADC122015T	DC - 12.4	20 ±1.20	1.40	15	35 X 64	N
CFADC123015T	DC - 12.4	30 ±1.50	1.40	15	35 X 64	N
CFADC120325T	DC - 12.4	3 ±0.40	1.35	25	44 X 88	N
CFADC120625T	DC - 12.4	6 ±0.50	1.35	25	44 X 88	N
CFADC121025T	DC - 12.4	10 ±0.60	1.35	25	44 X 88	N
CFADC121525T	DC - 12.4	15 ±0.80	1.35	25	44 X 88	N
CFADC122025T	DC - 12.4	20 ±1.00	1.35	25	44 X 88	N
CFADC123025T	DC - 12.4	30 ±1.20	1.35	25	44 X 88	N
CFADC120330T	DC - 12.4	3 ±0.40	1.35	30	44 X 70	N
CFADC120630T	DC - 12.4	6 ±0.50	1.35	30	44 X 70	N
CFADC121030T	DC - 12.4	10 ±0.60	1.35	30	44 X 70	N
CFADC121530T	DC - 12.4	15 ±0.80	1.35	30	44 X 70	N
CFADC122030T	DC - 12.4	20 ±1.00	1.35	30	44 X 70	N
CFADC123030T	DC - 12.4	30 ±1.20	1.35	30	44 X 70	N
CFADC121050T	DC - 12.4	10 ±0.80	1.30	50	50 X 116	N
CFADC122050T	DC - 12.4	20 ±1.00	1.30	50	50 X 116	N
CFADC123050T	DC - 12.4	30 ±1.20	1.30	50	50 X 116	N
CFADC180302	DC - 18.0	3 ±0.30	1.35	2	*	SMA
CFADC180602	DC - 18.0	6 ±0.30	1.35	2	*	SMA
CFADC181002	DC - 18.0	10 ±0.50	1.35	2	*	SMA
CFADC181502	DC - 18.0	15 ±0.50	1.35	2	*	SMA



## Fixed Setting Attenuators (Waveguide & Coaxial)

Model No.	Frequency Range (GHz)	Attenuation (dB)(max)	VSWR (max)	Power (W)	Size (mm)	Connector Type
CFADC182002	DC - 18.0	20 ±0.50	1.35	2	*	SMA
CFADC183002	DC - 18.0	30 ±0.75	1.35	2	*	SMA
CFADC180305	DC - 18.0	3 ±0.40	1.35	5	*	SMA
CFADC180605	DC - 18.0	6 ±0.40	1.35	5	*	SMA
CFADC181005	DC - 18.0	10 ±0.60	1.35	5	*	SMA
CFADC181505	DC - 18.0	15 ±0.60	1.35	5	*	SMA
CFADC182005	DC - 18.0	20 ±0.60	1.35	5	*	SMA
CFADC183005	DC - 18.0	30 ±0.85	1.35	5	*	SMA
CFADC180305N	DC - 18.0	3 ±0.40	1.35	5	*	N
CFADC180605N	DC - 18.0	6 ±0.40	1.35	5	*	N
CFADC181005N	DC - 18.0	10 ±0.60	1.35	5	*	N
CFADC181505N	DC - 18.0	15 ±0.60	1.35	5	*	N
CFADC182005N	DC - 18.0	20 ±0.60	1.35	5	*	N
CFADC183005N	DC - 18.0	30 ±0.85	1.35	5	*	N
CFADC181025TM	DC - 18.0	10 ±1.00	1.10-1.35	25	*	SMA/N
CFADC182025TM	DC - 18.0	20 ±1.00	1.10-1.35	25	*	SMA/N
CFADC183025TM	DC - 18.0	30 ±1.00	1.10-1.35	25	*	SMA/N
CFADC260302	DC - 26.0	3 ±0.30	1.15	2	*	SMA
CFADC260602	DC - 26.0	6 ±0.30	1.25	2	*	SMA
CFADC261002	DC - 26.0	10 ±0.50	1.35	2	*	SMA
CFADC261502	DC - 26.0	15 ±0.70	1.35	2	*	SMA
CFADC262002	DC - 26.0	20 ±0.75	1.40	2	*	SMA
CFADC263002	DC - 26.0	30 ±0.80	1.40	2	*	SMA
CFADC4003U5	DC - 40.0	3 ±1.00	1.60	0.5	*	2.9mm
CFADC4006U5	DC - 40.0	6 ±1.00	1.60	0.5	*	2.9mm
CFADC4010U5	DC - 40.0	10 ±1.00	1.60	0.5	*	2.9mm
CFADC4015U5	DC - 40.0	15 ±1.25	1.60	0.5	*	2.9mm
CFADC4020U5	DC - 40.0	20 ±1.25	1.60	0.5	*	2.9mm
CFADC4030U5	DC - 40.0	30 ±1.25	1.60	0.5	*	2.9mm
CFADC400301	DC - 40.0	3 ±1.00	1.60	1.0	*	2.9mm
CFADC400601	DC - 40.0	6 ±1.00	1.60	1.0	*	2.9mm
CFADC401001	DC - 40.0	10 ±1.00	1.60	1.0	*	2.9mm
CFADC401501	DC - 40.0	15 ±1.25	1.60	1.0	*	2.9mm
CFADC402001	DC - 40.0	20 ±1.25	1.60	1.0	*	2.9mm
CFADC403001	DC - 40.0	30 ±1.25	1.60	1.0	*	2.9mm



## Fixed Setting Attenuators (Waveguide & Coaxial)

Model No.	Frequency Range (GHz)	Attenuation (dB)(max)	VSWR (max)	Power (W)	Size (mm)	Connector Type
CFADC400302W	DC - 40.0	3 ±1.00	1.60	2	*	2.92mm
CFADC400602W	DC - 40.0	6 ±1.00	1.60	2	*	2.92mm
CFADC401002W	DC - 40.0	10 ±1.00	1.60	2	*	2.92mm
CFADC401502W	DC - 40.0	15 ±1.25	1.60	2	*	2.92mm
CFADC402002W	DC - 40.0	20 ±1.25	1.60	2	*	2.92mm
CFADC403002W	DC - 40.0	30 ±1.25	1.60	2	*	2.92mm
CFADC5003U5W	DC - 50.0	3 ±1.50	1.75	0.5	*	2.4mm
CFADC5006U5W	DC - 50.0	6 ±1.50	1.75	0.5	*	2.4mm
CFADC5010U5W	DC - 50.0	10 ±1.50	1.75	0.5	*	2.4mm
CFADC5015U5W	DC - 50.0	15 ±1.50	1.75	0.5	*	2.4mm
CFADC5020U5W	DC - 50.0	20 ±2.00	1.75	0.5	*	2.4mm
CFADC5030U5W	DC - 50.0	30 ±2.00	1.75	0.5	*	2.4mm
CFADC500301W	DC - 50.0	3 ±1.50	1.75	1.0	*	2.4mm
CFADC500601W	DC - 50.0	6 ±1.50	1.75	1.0	*	2.4mm
CFADC501001W	DC - 50.0	10 ±1.50	1.75	1.0	*	2.4mm
CFADC501501W	DC - 50.0	15 ±1.50	1.75	1.0	*	2.4mm
CFADC502001W	DC - 50.0	20 ±2.00	1.75	1.0	*	2.4mm
CFADC503001W	DC - 50.0	30 ±2.00	1.75	1.0	*	2.4mm
CFADC6503U5	DC - 65.0	3 ±1.50	2:1	0.5	*	1.85mm
CFADC6506U5	DC - 65.0	6 ±1.50	2:1	0.5	*	1.85mm
CFADC6510U5	DC - 65.0	10 ±1.50	2:1	0.5	*	1.85mm
CFADC6520U5	DC - 65.0	20 ±2.00	2:1	0.5	*	1.85mm
CFADC6530U5	DC - 65.0	30 ±2.00	2:1	0.5	*	1.85mm
CFADC6706U5AV	DC - 67.0	6 ±2.0	2:1	0.5	*	1.85mm
CFADC6710U5AV	DC - 67.0	10 ±2.0	2:1	0.5	*	1.85mm

OTHER FREQUENCY BANDS AND ATTENUATION VALUES ARE ALSO AVAILABLE.

\*CONSULT THE FACTORY

### WAVEGUIDE:

Waveguide Band	C	X	Ku	Kc	K	Kb	Ka
Frequency Range (GHz)	4.90 - 7.05	8.20 -12.40	12.4 -18	15.0 -22.0	18 - 26.5	22.0 -33.0	26.5 t-40.0
Waveguide Size	WR-159	WR-90	WR-62	WR-51	WR-42	WR-34	WR-28
Power Handling (W)	*	*	*	*	1.00	*	1.00
Fixed Attenuation Value (dB, Typ)	3, 6, 10, 20 and 30						
Waveguide Band	C	X	Ku	Kc	K	Kb	Ka



## Fixed Setting Attenuators (Waveguide & Coaxial)

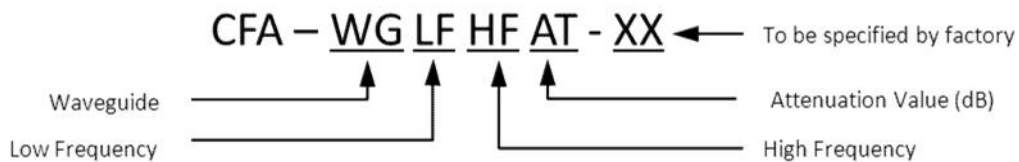
VSWR (Typical)	1.15:1
Level Setting Value ( dB, Typ)	0 to 30

Waveguide Band	Q	U	V	E	W	F	D
Frequency Range (GHz)	33.0 to 50.0	40.0 to 60.0	50.0 to 75.0	60.0 to 90.0	75.0 to 110.0	90.0 to 140.0	110.0 to 170.0
Waveguide Size	WR-22	WR-19	WR-15	WR-12	WR-10	WR-8	WR-6
Power Handling (W)	1.00	1.00	0.75	0.75	0.75	0.50	*
Fixed Attenuation Value (dB, Typ)	3, 6, 10, 20 and 30						
VSWR (Typical)	1.15:1						
Level Setting Value (dB, Typ)	0 to 30						

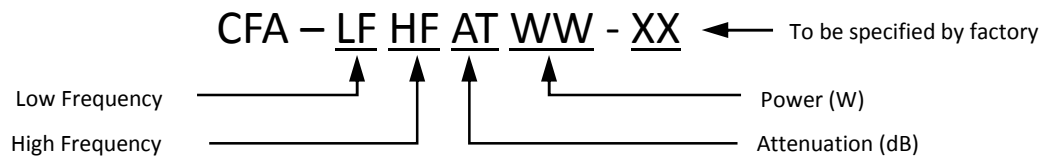
Contact factory for other attenuation values and specifications.

### TO ORDER SPECIFY MODEL NUMBER:

#### WAVEGUIDE:



#### COAXIAL:



**Example:** To order a full band WR-15 fixed attenuator with 20 attenuation level, specify CFA-15507520 .



## Fixed Setting Attenuators (Waveguide & Coaxial)

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