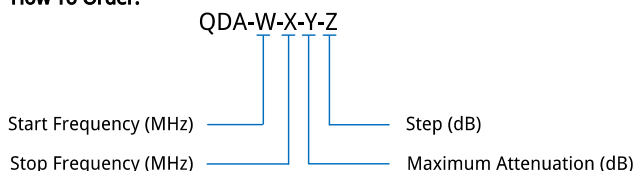


Digitally Controlled Attenuators

The digitally control attenuator uses the code to control the electronic switches of all levels to realize the step or superposition of attenuators as required.

Features: Broadband, High Dynamic Range, Customization on Demand; **Applications:** Wireless, Radar, Laboratory Test.

How To Order:



Examples: To order a digitally control attenuator, 1~2GHz, attenuation range 0~30dB, step 0.5dB, specify QDA-1000-2000-30-0.5.

Part Number	Frequency (GHz)	Attenuation Range (dB)	Control Bits (bit)	Step (dB)	Accuracy (±dB)	Insertion Loss (dB, max.)	VSWR	Switching Time (nS, max.)	Input Power (dBm, max.)
QDA-0-6000-30-1	DC~6	0~30	-	1	3~5%	2	1.5	-	20
QDA-0-18000-11-1	DC~18	0~11	-	1	1	0.6+0.09/GHz	1.75	-	30
QDA-0-18000-110-10	DC~18	0~110	-	10	4.5	0.6+0.09/GHz	1.75	-	30
QDA-9K-20000-31.5-0.5	9K~20	0~31.5	-	0.5	1 typ.	6	2	-	25
QDA-0.1-5000-110-1	0.0001~5	0~110	7	1	3	8	2.5	500	30
QDA-1-4000	0.001~4	0~60	-	0.25	0.03	5	1.8	200	27
QDA-10-13000-40-10	0.01~13	0~40	4	10	0.03	7	1.5	100	37
QDA-10-18000-63.75-0.25	0.01~18	0~63.75	8	0.25	2	6	2.5	-	-
QDA-10-18000-63.5-0.5	0.01~18	0~63.5	7	0.5	2	5	2.5	-	-
QDA-10-18000-63-1	0.01~18	0~63	6	1	2	5	2.5	-	-
QDA-10-18000-31.5-0.5	0.01~18	0~31.5	6	0.5	2	3.5	2.5	-	-
QDA-10-20000-63.75-0.25	0.01~20	0~63.75	8	0.25	2	6.5	2.5	-	-
QDA-20-6000-31.5-0.5	0.02~6	0~31.5	-	0.5	0.5 typ.	6	2	-	25
QDA-20-18000-31.5-0.5	0.02~18	0~31.5	-	0.5	1 typ.	5.5	2	-	25
QDA-20-20000-31.5-0.5	0.02~20	0~31.5	-	0.5	1 typ.	6	2	-	25
QDA-50-4000-31-1	0.05~4	0~31	5	1	0.5 typ.	3	1.8	1000	24
QDA-100-18000-32-0.03	0.1~18	0~32	10	0.03	2	4.7	2.5	-	-
QDA-100-40000-32-0.03	0.1~40	0~32	10	0.03	2	6	2.5	-	-
QDA-100-40000-31-1	0.1~40	0~31	5	1	2	9	2.2	-	-
QDA-100-18000-31.5-0.5	0.1~18	0~31.5	-	0.5	1 typ.	5.5	2	-	25
QDA-100-40000-31.5-0.5	0.1~40	0~31.5	-	0.5	2 typ.	7	2	-	25
QDA-108-400-31-1	0.108~0.4	0~31	-	1	0.03	2.5	2	500	-
QDA-500-18000-31.5-0.5	0.5~18	0~31.5	-	0.5	1 typ.	5.5	2	-	25
QDA-500-18000-62-2	0.5~18	0~62	5	2	0.03	9	2	100	27
QDA-500-40000-31.5-0.5	0.5~40	0~31.5	-	0.5	2	7	2	-	25
QDA-500-40000-63.5-0.5	0.5~40	0~63.5	-	0.5	2	11.5	1.7	-	25
QDA-1000-2000-31.5-0.5	1~2	0~31.5	-	0.5	0.5 typ.	3.6	1.8	-	25
QDA-1000-2000-47.5-0.5	1~2	0~47.5	7	0.5	0.03	3.5	1.5	100	27
QDA-1000-2000-63-1	1~2	0~63	6	1	0.03	2.5	1.5	100	30
QDA-1000-2000-63.5-0.5	1~2	0~63.5	-	0.5	1.5	5	1.7	-	25
QDA-1000-2000-63.75-0.25	1~2	0~63.75	8	0.25	1.5	1.5	1.5	-	-
QDA-1000-12000	1~12	0~60	-	0.25	0.03	6	2	200	27
QDA-1000-18000-31.5-0.5	1~18	0~31.5	-	0.5	1	5.5	2	-	25
QDA-1000-18000-31.5-0.5-1	1~18	0~31.5	-	0.5	1 typ.	5.5	2	-	25
QDA-1000-18000-127-0.5	1~18	0~127	8	0.5	2.5	8	2.5	-	-
QDA-1000-20000-63.5-0.5	1~20	0~63.5	-	0.5	3	7	1.8	-	25
QDA-1000-40000-31-1	1~40	0~31	5	1	0.05	8	2	-	27
QDA-1000-40000-63.5-0.5	1~40	0~63.5	-	0.5	2	11.5	2	200	25
QDA-2000-4000-63.75-0.25	2~4	0~63.75	8	0.25	1.5	2	1.5	-	-
QDA-2000-4000-31.5-0.5	2~4	0~31.5	-	0.5	0.5 typ.	3.8	1.8	-	25
QDA-2000-10000-60-0.1	2~10	0~60	-	0.1	-	7	2	-	25
QDA-2000-18000	2~18	0~60	-	0.25	0.04	6	2	200	27
QDA-2000-18000-15-1	2~18	0~15	4	1	0.04	7	2.2	500	20
QDA-2000-18000-31.5-0.5	2~18	0~31.5	-	0.5	1 typ.	5.5	2	-	25
QDA-2000-18000-60-0.1	2~18	0~60	-	0.1	0.05	6	2	-	20
QDA-2000-18000-60-10	2~18	0~60	3	10	0.04	14	2.2	500	20
QDA-2000-40000-31.5-0.5	2~40	0~31.5	-	10	2	7	2	1000	25
QDA-4000-8000-31.5-0.5	4~8	0~31.5	-	0.5	0.8 typ.	4.2	1.8	-	25

Part Number	Frequency (GHz)	Attenuation Range (dB)	Control Bits (bit)	Step (dB)	Accuracy (±dB)	Insertion Loss (dB, max.)	VSWR	Switching Time (nS, max.)	Input Power (dBm, max.)
QDA-4000-8000-63.75-0.25	4~8	0~63.75	8	0.25	2	2.5	1.8	-	-
QDA-4000-32000-31.5-0.5	4~32	0~31.5	-	0.5	2	5.5	2	1000	25
QDA-4000-32000-63.5-0.5	4~32	0~63.5	-	0.5	2	10	2	200	25
QDA-6000-18000-31.5-0.5	6~18	0~31.5	-	0.5	1 typ.	5.5	2	-	25
QDA-6000-26500	6~26.5	0~60	-	0.5	0.04	8	2.5	200	27
QDA-7000-9000-32-0.25	7~9	0~32	-	0.25	2	5.5	2	-	24
QDA-8000-12000-31-1	8~12	0~31	5	1	0.02	3.5	1.5	100	27
QDA-8000-12000-31.5-0.5	8~12	0~31.5	-	0.5	0.8 typ.	4.7	2	-	25
QDA-8000-12000-63.75-0.25	8~12	0~63.75	8	0.25	2	2.8	1.8	-	-
QDA-8000-12000-101.5-0.5	8~12	0~101.5	-	0.5	0.4+5%	21	2	200	25
QDA-8000-12000-110-10	8~12	0~110	4	10	3~5%	8	1.5	-	20
QDA-8000-18000-63-1	8~18	0~63	6	1	0.05	8	2	100	27
QDA-8000-18000-63.75-0.25	8~18	0~63.75	-	0.25	1.5	7.5	2	-	25
QDA-8000-18000-70-1	8~18	0~70	7	1	0.05	11	2	100	27
QDA-8200-12400-61-1	8.2~12.4	0~61	6	1	0.04	7	2.2	500	30
QDA-8500-9500-31.5-0.25	8.5~9.5	0~31.5	-	0.25	3~5%	5.5	2	-	30
QDA-9000-10000-47.5-0.5	9~10	0~47.5	7	0.5	0.03	5.5	1.8	100	27
QDA-12000-18000-63.75-0.25	12~18	0~63.75	8	0.25	2.5	3.7	2.5	-	-
QDA-18000-26000-47.5-0.5	18~26	0~47.5	8	0.5	0.03	9	2.5	100	27
QDA-18000-40000	18~40	0~60	-	0.5	0.06	9	2.5	200	27
QDA-18000-40000-31.5-0.5	18~40	0~31.5	6	0.5	0.06	8	2.5	500	27
QDA-18000-40000-50-0.05	18~40	0~50	10	0.05	2	9	2.5	-	-
QDA-26000-40000-51.5-0.5	26~40	0~51.5	7	0.5	0.05	15	2.5	100	27
QDA-30000-40000-30-0.5	30~40	0~30	-	0.5	3~5%	5.5	1.5	-	25
QDA-35000-40000-60-0.5	35~40	0~60	7	0.5	-	15	1.5	-	15



ООО «4TECT»

Телефон: +7 (499) 685-4444

info@4test.ru

www.4test.ru