

Digital Attenuators

Part Number	Min Freq (MHz)	Max Freq (MHz)	Bit Count	Attenuator Range (dB)	LSB (dB)	Insertion Loss (dB)	IIP3 (dBm)	Package
MAAD-008866	50	1000	6	31.5	0.5	1.4	40	4 mm PQFN-24
MAAD-010305	50	1100	1	15	15	0.3	50	SOT-25
MAADSS0009	0	2000	4	30	3	1.6	50	SOIC-16
MAATSS0015	0	2000	4	15	1	2	50	SOIC-16
AT-264-PIN	500	2000	4	30	2	2.2	47	TSSOP-16
AT-357-SMA	0	2000	5	31	1	6.5	47	C-46
MAATSS0021	50	2000	5	15.5	0.5	1.5	45	SOIC-16
AT-232-PIN	0	2000	4	30	2	2.5	50	CR-6
AT-283-PIN	5	2000	5	15.5	0.5	2.2	47	CR-12
AT-233-PIN	5	2000	4	30	2	1.9	50	CR-12
AT-273-PIN	5	2000	2	32	16	1.3	48	CR-11
AT-263-PIN	5	2000	5	31	1	2.1	48	CR-12
MAATSS0016	500	2000	4	30	2	2.2	47	TSSOP-16
MAATSS0018	100	2000	1	10	10	0.4	50	SOT-25
MAATSS0022	500	2500	5	15.5	0.5	1.8	46	MSOP-10
MAATSS0017	400	2500	5	15.5	0.5	2	47	QSOP-16
MAAD-009195-000100	50	3000	5	15.5	0.5	5.3	40	CR-12
MAAD-009194-000100	50	3000	5	31	1	5.3	41	CR-12
AT-213-PIN	5	3000	4	15	1	1.6	50	CR-11
MAAD-009260-000100	50	3000	2	32	16	2.7	42	CR-12
MAAD-008790-000100	0	4000	5	31	1	5.5	37	CSP-1
MAAD-009170-000100	50	4000	5	15.5	0.5	5.2	40	CSP-1
MAATSS0019	500	4000	4	15	1	1.3	47	TSSOP-16
MAADCC0006	50	4000	4	15	1	2.5	48	CSP-1
MAADSS0018	2000	6000	5	15.5	0.5	2	42	3 mm PQFN-16
MAAD-000523	700	6000	6	31.5	0.5	1.9	52	4 mm PQFN-24
MAADSS0012	800	8000	1	21	—	0.6	41	2 mm PQFN-8
MAAD-011021	0	30000	6	31.5	0.5	6	38	3 mm PQFN-16
MAAD-011021-DIE	0	40000	6	31.5	0.5	6	38	Die

CMOS Switch Drivers

Part Number	Type	Rise Time/Fall Time (ns)	Vcc (V)	Vee (-V)	Icc (mA)	Package
MADR-009151-000DIE	Single	300	5	-5	1	Die
MADR-009150	PIN	30	3.3	—	.05	3 mm PQFN-16
MADR-011007	FET	6	—	-5	—	6 mm PQFN-48
MADR-009269-000100	Single, PIN	300	5	5	1	SOIC-8
MADR-009190-000100	Quad	300	5	-5	1	SOIC-16
MADR-009443-000100	Quad	500	5	-5	20	4 mm PQFN-20
MADR-008888-000100	PIN	250	5	28	51	LGA-23
MADR-008851-000100	PIN	320	5	28	1	LGA-23
MADRCC0005	Single	25	5	-5	1	SO-8
MADRCC0004	Quad	25	5	-5	—	SO-16
MADR-007097-000100	Single	2	5	-5	1	SOIC-8
MADRCC0006	Single	500	5	-5	—	SO-8
MADRCC0007	Quad	500	5	-5	—	SOIC16
SMLG1	PIN	30000	15	15	—	SMT
MADRCC0002 ◆	Dual	5000	20	—	—	CSP-9
MADR-010574	PIN	2	3	—	170	7 mm PQFN-16
MADR-007098-000100	PIN	—	5	—	1	SOW-16
MADR-007131-000100	Dual Linearizer	—	5	—	1	CSP-9
MADR-010410	TR Module	6	3	3	—	5 mm PQFN-40

Voltage Variable Attenuators

Part Number	Min Freq (MHz)	Max Freq (MHz)	Insertion Loss (dB)	Attenuator Range (dB)	Input IP3 (dBm)	Voltage (Volts)	Current (mA)	Package
MAAA2000G	0	12000	—	40	—	—	—	Die
MAATCC0013	824	960	—	25	—	—	—	SOT-25
MAAV-007088-000100	50	1000	2.8	42	34	—	—	SOW-16
MA4VAT900-1277T	800	1000	1	24	40	—	—	3 mm PQFN-16
MA4VAT904-1061T	800	1000	1	24	49	—	—	SOIC-8
MA4VAT907-1061T	800	1000	1	24	49	—	—	SOIC-8
AT10-0009	800	1000	—	38	—	—	—	SOW-16
MAAV-007092-000100	800	1000	3.6	34	40	—	30	6 mm PQFN-28
MAAVSS0004	0	2000	7.2	35	36	-3	0.02	SOIC-14
MAAV-008022	500	2000	2.7	40	32	+5	0.05	SOIC-8
MAAV-007941	0	2000	3.2	12	36	-4	0.02	SOIC-8
SMG2	5	2000	—	23	—	—	—	SMT
MAAM-007987-000CG2	5	2000	—	23	—	—	—	SMA
MA4VAT2004-1061T	1700	2000	1.4	24	49	—	—	SOIC-8
MAAVSS0005	0	2000	3.2	12	36	-4	0.02	SOT-143
MAAVSS0008	500	2000	2.8	30	28	+5	0.3	SOIC-8
MA4VAT2007-1061T	1700	2000	1.4	23	52	—	—	SOIC-8
CG30	100	2000	—	44	—	—	—	SMA
G2	5	2000	2.6	28	—	+5	15	TO-8
SMG1	5	2000	—	30	—	—	—	SMT0-8
SMG30	100	2000	—	44	—	—	—	SMT0-8
G1*	5	2000	2.5	25	—	+15	15	TO-8, SMT, SMA
G30	100	2000	—	44	—	—	—	TO-8
MAAV-007090-000100	1700	2000	3.5	35	31	—	—	SOW-16
AT10-0017	1700	2000	—	35	—	—	—	SOW-16
MAAV-007091-000100	1700	2200	2.9	33	31	—	30	6 mm PQFN-28
MA4VAT2000-1277T	1700	2200	1.2	24	21	—	—	3 mm PQFN-16
MAAVCC0002	1700	2200	—	35	—	—	—	6 mm PQFN-28
MAAVSS0001	1800	2500	2.4	42	32	+2.25	0.05	SOT-25
MAAVSS0006	0	2500	3.6	25	36	-3	0.025	SOT-25
MADP-007167-12250T	5	3000	2.8	36	50	—	—	SOT-25
MA4P7455-1225T	10	4000	1	29	43	—	—	SOT-25
CG40	500	4000	—	32	—	—	—	SMA
SMG40	500	4000	—	25	—	—	—	SMT
G40	500	4000	2.5	32	—	+15	12	TO-8
MAAT-010521	5000	45000	2	40	30	-2	—	3 mm PQFN-16
MAAV-011013	5000	45000	1.5	30	42	—	—	3 mm PQFN-16
LG1**	—	—	—	—	—	—	—	TO-8
LG30**	—	—	—	—	—	—	—	TO-8
CLG1	—	—	—	—	—	—	—	SMA

**LG1 Linearizer is compatible with the G1 Attenuator. Yields linear attenuation (dB) for linear control voltage. Available in TO-8, SMT, SMA

**LG30 Linearizer is compatible with the G30 Attenuator. Yields linear attenuation (dB) for linear control voltage. Available in TO-8, SMT, SMA

Note: Part numbers are RoHS compliant ♦ indicates non-RoHS compliant

Detailed specifications can be found quickly on our website at macom.com by typing the part number into the search box.

All specifications are subject to change.