

MAT10xxx Series



Attenuator DIE
DC - 20 GHz

Rev. V4

Electrical Specifications: $T_A = +25^\circ\text{C}$

Part Number	Attenuation (dB)	Insertion Loss (dB)	Return Loss (dB)
MAT10090	9	+/-0.35	>18
MAT10100	10	+/-0.35	>18
MAT10110	11	+/-0.40	>18
MAT10120	12	+/-0.40	>18
MAT10130	13	+/-0.40	>18
MAT10140	14	+/-0.40	>18
MAT10150	15	+/-0.40	>18
MAT10160	16	+/-0.50	>18
MAT10170	17	+/-0.50	>18
MAT10180	18	+/-0.50	>18
MAT10190	19	+/-0.50	>18
MAT10200	20	+/-0.50	>18
MAT10210	21	+/-0.60	>18
MAT10220	22	+/-0.60	>18
MAT10230	23	+/-0.60	>18
MAT10240	24	+/-0.60	>18
MAT10250	25	+/-0.60	>18
MAT10260	26	+/-1.00	>18
MAT10270	27	+/-1.00	>18
MAT10280	28	+/-1.00	>18
MAT10290	29	+/-1.00	>18
MAT10300	30	+/-1.00	>18

Absolute Maximum Ratings^{1,2}

Parameter	Absolute Maximum
RF Incident Power	33 dBm
Operating Temperature	-55°C to +150°C
Storage Temperature	-65°C to +150°C
Assembly Temperature	+280°C for 10 seconds

1. Exceeding any one or combination of these limits may cause permanent damage to this device.
2. MACOM does not recommend sustained operation near these survivability limits.

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DC-0011352

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