



GaAs MMIC Digital Attenuators

Space Qualified

AT-S500X Series

Electrical Specifications

Part #	AT-S5007	AT-S5008	AT-S5009
Description	3 Bit, Thick Film with TTL Driver	3 Bit, Thin Film with No Driver	3 Bit, Thin Film with No Driver
Frequency Range	265–300 MHz	120–1700 MHz	120–1700 MHz
Attenuation Steps	2.5 dB Steps	1, 8, 16 dB ¹	2, 4, 16 dB ¹
Attenuation Flatness	0.1 dB	0.1 dB ¹	0.1 dB ¹
Attenuation Accuracy	0.1 dB	0.2 dB	0.2 dB
VSWR	1.2:1	1.3:1	1.3:1
Switching Time	1.0 µsec max	1.0 µsec max	1.0 µsec max
1 dB Comp Point	+10 dBm min	+20 dBm min	+20 dBm min
IP3	≥30 dBm	≥30 dBm	≥30 dBm
Control/Power	60 mW	100 µA @ -5V 20 µA @ 0V	100 µA @ -5V 20 µA @ 0V
Weight	7.4 Grams	1.0 Gram	1.0 Gram
¹ Over any 40 MHz Bandwidth.			

Specifications Subject to Change Without Notice.

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