



State of the Art, Inc.

FIXED CHIP ATTENUATORS Thin Film



STYLE A

Top Terminations



STYLE C

Wrap Around
(3 places)



STYLE D

Top Terminations
Metallized Bottom



STYLE E

Single Wrap Around
Metallized Bottom

SIZES and RATINGS

SIZE CODE	LENGTH (inches)	WIDTH (inches)	THICKNESS (inches)	MAXIMUM VOLTAGE	MAXIMUM POWER*	ATTENUATION
1005	.100"	.050"	.015"	75	.25 Watt	1-20 dB
1512	.150"	.125"	.015"	100	.5 Watt	1-20 dB
0706	.075"	.060"	.010"	50	.125 Watt	1-20 dB

*Power ratings listed are for attenuators constructed on alumina, consult factory for ratings using BeO.

PART NUMBERING

S 1512 E C 10B0 D B

TERMINATION
B: Ni barrier pretinned
W: Au wire bondable
C: Pd Ag epoxy bondable

TOLERANCES
D: ± 0.5 dB F: ± 1 dB

ATTENUATION FACTOR
Three significant digits, with the letter B as the decimal in 1/2 dB increments.

CONSTRUCTION CODE
C: Alumina D: BeO

TERMINATION STYLE
A, C, D, E (see above)

SIZE CODE - SEE TABLE ABOVE.

S: Standard Production
H: High Reliability (see options)

PERFORMANCE

Frequency DC - 18GHz

VSWR 1.20 : 1 DC - 4 GHz
1.30 : 1 4 - 8 GHz
1.50 : 1 8 - 10 GHz

CONSTRUCTION

Substrate Type - Alumina or BeO
Resistor Material - Thick or Thin film
Termination Material - SnPb w/nickel barrier, Gold, PdAg

PACKAGING

Individual lot quantities are packaged in conductive waffle packs.
Tape & Reel Packaging is an available option.

OPTIONS

TESTING: Environmental and electrical
100% visual
Customer specified testing

SIZES: Other sizes can be manufactured. Consult factory with requirements

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Where Quality Isn't a Goal...It's Our Tradition