



State of the Art, Inc.

High Power Solderable Chip Resistors

Thick Film on BeO



SIZES and RATINGS

SIZE CODE	LENGTH (inches)	WIDTH (inches)	THICKNESS (inches)	MAXIMUM VOLTAGE	MAXIMUM POWER*	THERMAL RESISTANCE
S0705	.075"	.050"	.025"	50	4 Watt	10.70° C / Watt
S1206	.125"	.065"	.025"	100	14 Watt	3.50° C / Watt
S1010	.100"	.100"	.040"	75	14 Watt	3.44° C / Watt
S2010	.200"	.100"	.040"	150	30 Watt	1.64° C / Watt
S2512	.250"	.125"	.040"	200	50 Watt	1.00° C / Watt
S2525	.250"	.250"	.040"	200	100 Watt	0.40° C / Watt
S3838	.375"	.375"	.040"	250	200 Watt	0.23° C / Watt

* When properly mounted on a heat sink maintained at 100° C with a maximum film temperature of 150° C.

PART NUMBERING

S2010 DBX 500 J 20

TCR
10:100ppm 20: 200ppm 30: 300ppm

TOLERANCES

F:1% G: 2% J: 5% K:10% M: 20%

RESISTANCE VALUE

Three or four digits are used with all leading digits significant. Four digits are used for 1% tolerance, otherwise three digits are used. The last digit specifies the number of zeros to add. The letter "R" is used to represent the decimal for fractional ohmic values.

TERMINATION STYLE

DBX (Metalized Bottom) EBX (Single wrap around)

SIZE CODE - SEE TABLE ABOVE.

TOLERANCE & RANGE

Resistance Range: 1 to 1,000 Ohm

Tolerances: 1, 2, 5, 10, 20%

PACKAGING

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

OPTIONS

TERMINATIONS: Epoxy bondable, Wire bondable, & Surface Mount double wrap around.

TESTING: Group A & B per MIL-PRF-55342, 100% Visual, or customer specified testing.

SIZES: Other sizes can be manufactured with a NRE charge and higher minimum lines.

STATE OF THE ART, INC. 2470 Fox Hill Road, State College, PA 16803-1797
Phone (814) 355-8004 Fax (814) 355-2714 **Toll Free 1-800-458-3401**

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

10/01/97