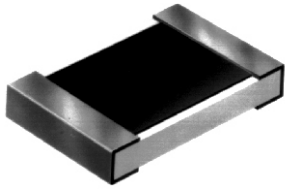




# State of the Art, Inc.

## Thick Film Jumper

Standard Grade, Surface Mount, Solderable



Pretinned Ni Barrier Terminations

For circuits with a small number of crossovers, a jumper chip can be more economical than printing a dielectric layer and crossover conductor or using a thru-hole. Thick film Jumpers are available in 14 sizes, all with wraparound terminations and glass passivation for conductive epoxy bonding, and the CPX style has pretinned nickel barrier terminations for solder applications. Operating Temperature Range -55°C - 150°C.

### SIZES and RATINGS

SIZE CODE	L x W (inches)	Case Thickness (inches)	Power Ratings (watts)	Maximum Resistance (ohms)	Current Rating (amps)
S0302CPX	.030 x .020	.012	0.035	0.020	1.0
S0402CPX	.040 x .020	.015	0.050	0.025	1.0
S0502CPX	.050 x .025	.015	0.060	0.020	1.5
S0504CPX	.050 x .040	.015	0.125	0.025	2.0
S0505CPX	.050 x .050	.015	0.125	0.025	2.0
S0603CPX	.065 x .030	.015	0.100	0.025	2.0
S0705CPX	.075 x .050	.015	0.200	0.020	3.0
S1005CPX	.100 x .050	.015	0.250	0.025	3.0
S1010CPX	.100 x .100	.015	0.500	0.025	4.0
S1206CPX	.125 x .060	.015	0.250	0.025	3.0
S1505CPX	.150 x .050	.020	0.330	0.035	3.0
S2010CPX	.200 x .100	.025	1.000	0.040	5.0
S2208CPX	.225 x .080	.025	0.750	0.040	4.0
S2512CPX	.250 x .120	.025	2.000	0.040	6.0

To order, specify the size of the resistor, followed by the termination style. The part number **S0502CPX000** specifies a standard production .050 x .025 inch jumper with pretinned nickel barrier wraparound terminations. CP - Untinned for epoxy attachment. CPX - Pretinned for solder attachment. 000 - (zero ohm)jumper.

Please refer to standard grade data sheets for mechanicals.

### PACKAGING

Individual lot quantities are bulk packed in anti-static resealable bags.

Packaging options: Waffle Pack, Tape & Reel

### OPTIONS

SOTA offers a full line of thick and thin film resistive products including; Surface mount, wire bondable, silicon, and Mil-PRF-55342 chip resistors qualified to "S" and "T" (Space level) failure rate. Surface mount resistor networks, Mil-PRF-914 resistor networks, and custom thick and thin film circuits.

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