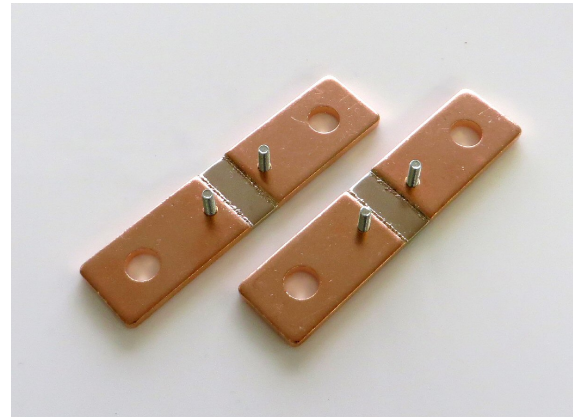


3W BUS BAR CURRENT SHUNT RESISTORS

RCS551520, RCS551521

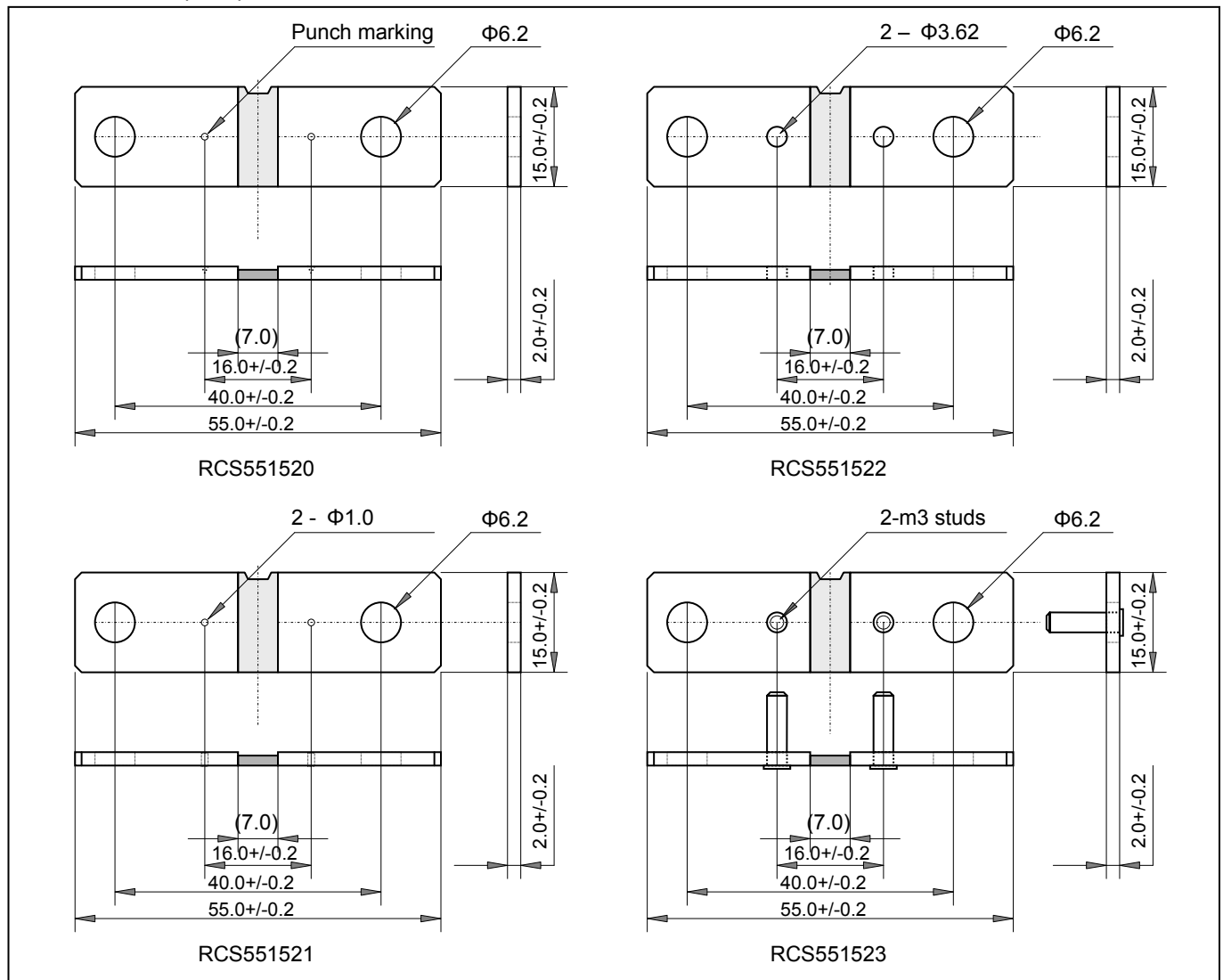
RCS551522, RCS551523



Features and Applications

Rating current 3W - 170A (0.1mohm), bus bar shunt resistors for electric equipments.
 Excellent long term stability and less than 100ppm/C TCR are realized by using Ni alloy and fully fine welding structure.
 Simple 4-ports Kelvin structure is easy to install large current bus-bar.
 Current detection in precision power source, constant current source, industrial power conversion circuit, battery charging control, constant electronic load and etc.

Dimensions (mm)



3W CURRENT SENSING RESISTORS

RCS551520, RCS551521, RCS551522, RCS551523

Ordering Information

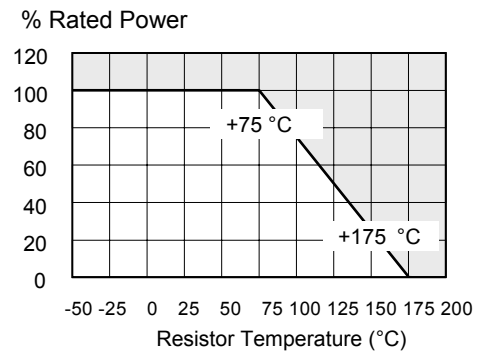
Type	TCR	Resistance Value	Tolerance	Note
RCS551520	A	R0001	F	Z00
RCS551520	A (0/+100ppm/°C)	R00005	F(+/-1%)	Z00
RCS551521		R0001	H(+/-3%)	
RCS551522			J(+/-5%)	
RCS551523				

P/N RCS551520 shows dimensions in mm, 55mm length x 15mm width x 2mm thickness x without holes for voltage detection. Last digit '0' shows position marking, 1 shows 1.0mm hole diameter, 2 is 3.6mm., 3 shows with M3 stud.

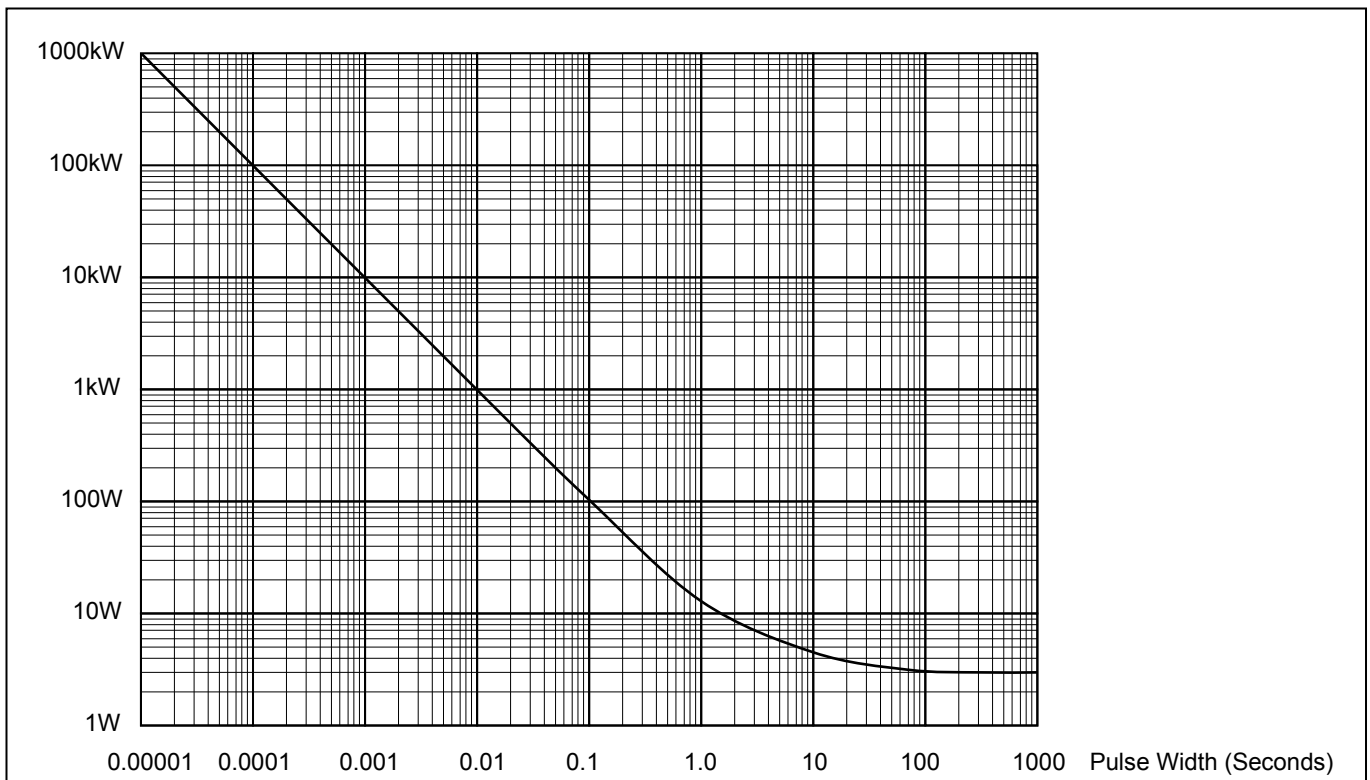
Specifications and Performances

Items	Specification
Type	RCS551520
Resistance	0.1 to 0.5 milliohm
TCR	+0 to +100ppm/°C (A)
Tolerance	+/-1% (F), +/-3.0%(H) and +/-5% (J)
Rating Power	3W
Maximum Power	100W / 0.1seconds
Rating Current	See upper table
Weight	15 grams
Operating Temperature	-55°C - +175°C
Storage Temperature	-55°C - +125°C

Power Derating



Pulse Energy (RCS551520AR0001FZ00)



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