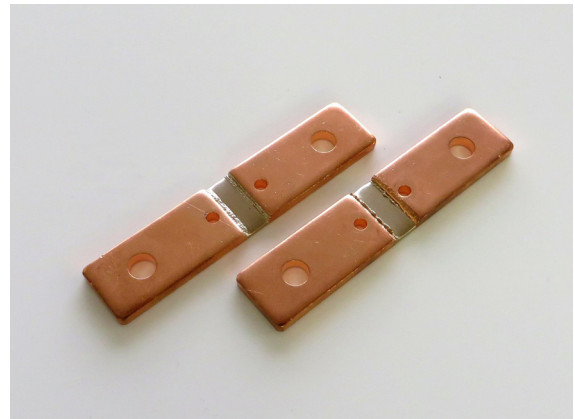


15W CURRENT SENSING RESISTORS
 RCS842030, RCS842031, RCS842032
 RCS842033 (380A - 0.1mΩ)

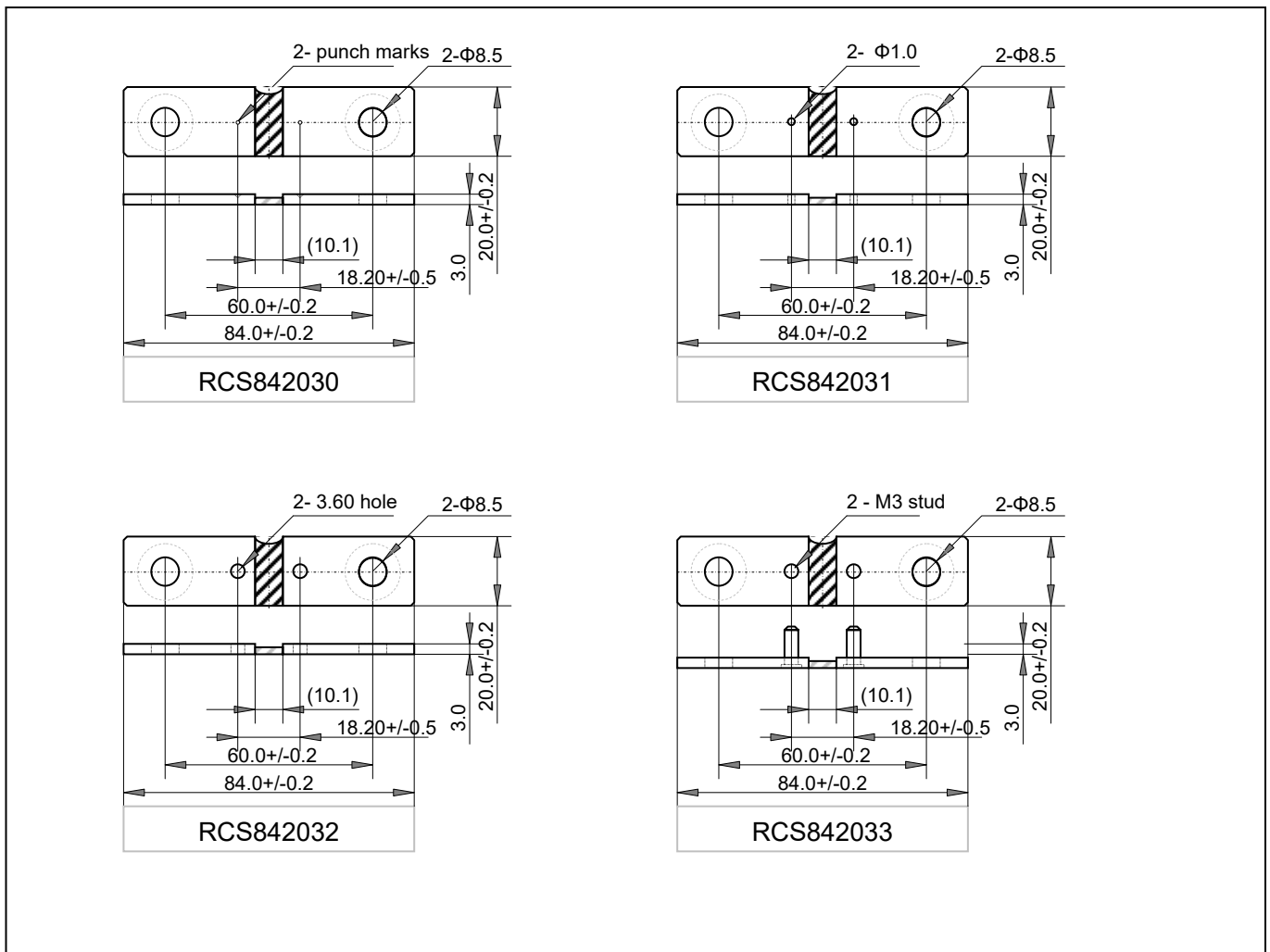


Features and Applications

Four terminals bus-bar metal strip current shunt of all EB weld and passivate surface, Ni plating is available in option.
 Up to 15W continuous power and maximum current 380A – 38mV (100uΩ)
 84mm x 20mm x 3mm dimension has various voltage terminal style.
 Very low inductance and high pulse current rating.

Up to 15W continuous power and maximum current 350A (0.1mohm)
 High pulse power rating
 Very low inductance
 Excellent long term stability, less than 100ppm/°C TCR, excellent frequency characteristics
 Low thermal EMF (<5uV/°C)
 Applications include battery charging current control of automotive electronics, load current detection of power electronics, inverter, UPS, motor control and electronic load equipments.

Dimensions (mm)



15W CURRENT SENSING RESISTORS

RCS842030, RCS842031, RCS842032, RCS842033 (380A–0.1mohm)

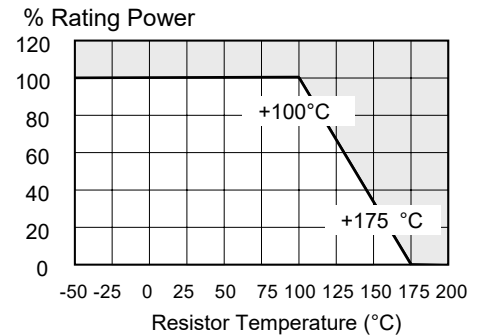
Ordering Information

Type RCS842030	TCR A	Resistance R0001	Tolerance F	Note Z00
RCS842030	A (100ppm/°C)	R00005	F (+/-1%) option	Z00
RCS842031		R0001	H (+/-3%)	
RCS842032			J (+/-5%)	
RCS842033				

Specification and Performance

Resistance	0.05 to 0.1 mΩ
TCR	+0 to +100ppm/°C (A)
Tolerance	+/-1% (F), +/-3%(H) and +/-5% (J)
Rating Power	15W
Rating Current	380A – 0.1mΩ
Operating Temperature	-55°C - +175°C
Storage Temperature	-55°C - +175°C
Weight	30 grams

Power Derating



Pulse Energy (RCS842030)

