

Shunt Resistors Offer A 5-W Rating In 2818 Case Size

[Stackpole Electronics](#)' HCSM2818 high-current shunt resistors offer a 5-W continuous power rating to maximize power handling in a given PCB area. The 2818 case size provides superior power handling while minimizing its PCB footprint (see Figs. 1 and 2).

The AEC-compliant HCSM2818 offers 1% and 5% resistance tolerances in resistance values of 4, 5, 10, 15, 20, and 25 mΩ. TCR ranges from 200 ppm for the 4 and 5 mΩ values to 75 ppm for the values 10 ppm and higher.

Pricing for the HCSM2818 varies with tolerance and ranges from \$0.40 each for 5% to \$0.45 for 1% tolerances. Contact Stackpole or one of the company's franchised distributor partners for volume pricing. For more information, call 919-850-9500, email marketing@seielect.com or visit the [website](#).



Fig. 1. The HCSM2818 series of high-power metal-element current shunt resistors features a 5-W power rating in a small 2818 chip size and excellent long-term stability. The parts are 100% RoHS compliant and lead free without exemption, halogen free, AEC-Q200 compliant and REACH compliant.

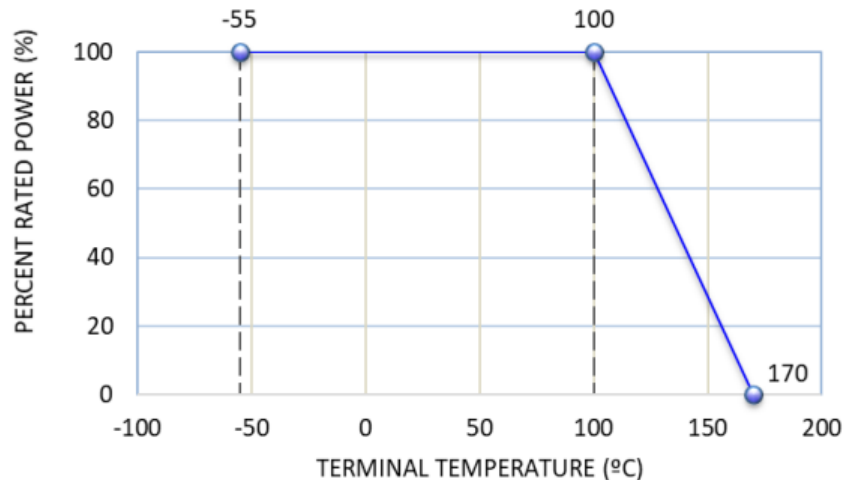


Fig. 2. Power derating curve for the HCSM2818 series high-current shunt resistors.