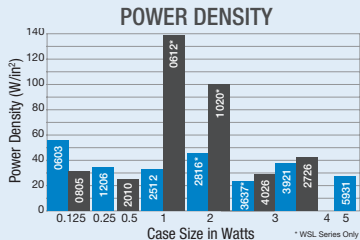
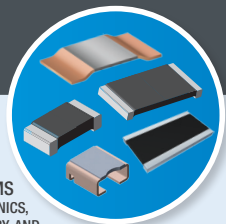


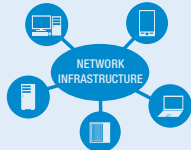
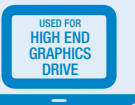


CURRENT SENSE RESISTORS

HIGH POWER, LOW RESISTANCE

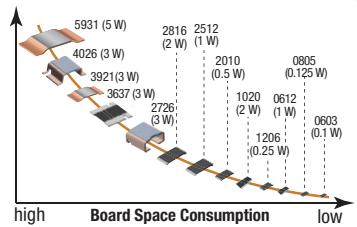


AMS
(AVIONICS,
MILITARY, AND
SPACE)



Power Metal Strip® Advantages Over Thick Film	Power Metal Strip® Advantages Over Thin Film
<ul style="list-style-type: none"> Pulse performance Better temperature derating Superior temperature stability (down to 75 ppm) Low thermal EMF (3 $\mu\text{V}/^\circ\text{C}$) RoHS-compliant without exemption 	<ul style="list-style-type: none"> High power (up to 5 W) Not ESD sensitive Lower solder joint stress Pulse performance
Power Metal Strip® Advantages Over Commercial Foil	
<ul style="list-style-type: none"> Pulse performance Low CTE mismatch with PCB Low resistance (down to 0.2 mΩ) 	

MULTIPLE PACKAGE SIZES
(0603 to 5931)

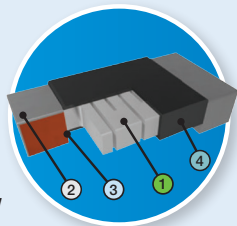




CURRENT SENSE RESISTORS

HIGH POWER, LOW RESISTANCE VALUES

- Superior pulse performance because of an all-metal welded construction (no substrate)
- Low TCR (to 35 ppm/°C)
- Low thermal EMF ($< 3 \mu\text{V}/^\circ\text{C}$)
- Tight tolerance (1 % down to 0.1 %)
- Laser-trimmed, providing design flexibility



- ① Resistive element ② Copper terminal with solderable finish ③ Terminal element weld ④ High temperature encapsulant

Size	Special Feature	Power Ratings (W)	Resistance	
			Low	High
0603		0.1	0.01	0.1
0805		0.125	0.005	0.2
0612	Wide termination	1	0.00075	0.005
1206		0.25	0.005	0.2
1020	Wide termination	2	0.001	0.006
2010		0.5	0.001	0.5
2512		1	0.0005	0.5
2816		2	0.002	0.1
2726	4-terminal Kelvin	3	0.0003	0.005
3637	4-terminal Kelvin	3	0.001	0.01
3921		3	0.0002	0.004
4026	4-terminal Kelvin	3	0.0003	0.005
5931		5	0.0002	0.003

MS7450-1710