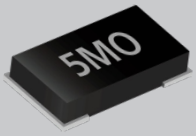
Panasonic
INDUSTRY

Thick Film Shunt as a Replacement for Metal Shunt

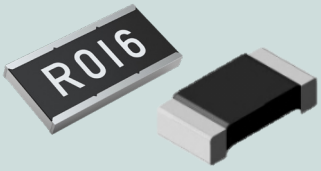
Potential cost reduction up to 50% versus metal plate

Discover the VAVE potential of replacing metal shunts with Panasonic thick film technology.

Metal Shunt



Panasonic Thick Film Resistor

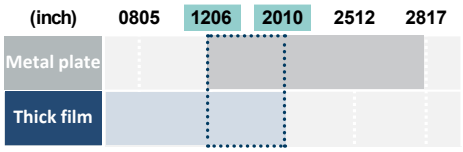


Our VAVE offer!

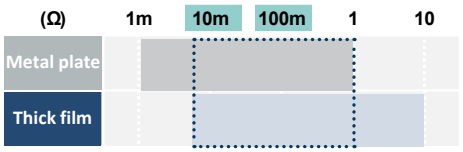
VAVE Best-fit Window

- Case size: 1206 - 2010
- Resistance: R ≥ 5mΩ
- Power: P ≤ 2W
- TCR: ≥ 75ppm/K

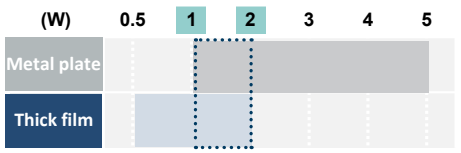
Case size



Resistance value range



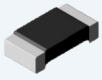
Power



Key benefits & added value

- Excellent heat dissipation & high performance due to in-house technology and material
- Soft termination to reduce solder-joint cracks
- Portfolio for power and low-TCR requirements
- Proven Panasonic quality and manufacturing expertise
- Country of origin: Japan

Our current sensing resistor portfolio:

Type	Series		Specifications
Wide terminal 	ERJB (AEC-Q200)	Standard	• Size: 0508 to 1020 • R: Down to 5mΩ • P: 0.33 to 2W • Tol.: ±1%, ± 5% • TCR: Down to 100ppm/K (ERJD) • -55 to 155°C
	ERJD (AEC-Q200)	Low TCR	
Double sided 	ERJ*BW (AEC-Q200)	High power	• Size: 0402 to 1206 • R: Down to 5mΩ • P: 0.2 to 1W • Tol.: ±1%, ± 5% • TCR: Down to 75ppm/K (ERJ*CW) • -55 to 155°C (125°C for ERJ*CW)
	ERJ*CW	High power & low TCR	

AEC-Q200 compliant