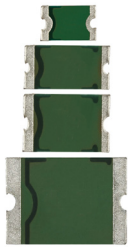


Resettable overcurrent protection devices for automotive applications



Eaton's PTSA and PTSAHT resettable PTC fuses are polymeric positive temperature coefficient overcurrent protection devices.

Product description

Eaton's PTSA and PTSAHT resettable PTC fuses are polymeric positive temperature coefficient overcurrent protection devices. These fuse families are all offered in four surface-mount printed circuit board (PCB) footprints from 0805 up to 1812 with AEC-Q200 qualification. They offer low resistances and fast time-to-trip performance with hold currents ranging from 100 mA to 2.6 A and voltage ratings above 13 V ideal for typical automotive circuitry.

Eaton PTSAHT are a select group of high-temperature PPTCs capable of withstanding operating temperatures up to +125 °C and offer hold currents from 100 mA up to 500 mA.

Features and benefits

- Four individual footprints for a wider array of options
- AEC-Q200 qualifications for high reliability in automotive applications
- High temperature version (PTSAHT) available
- Resettable overcurrent protection to minimize fuse replacement



Powering Business Worldwide

Automotive SMD PTC fuse

	Vmax	I _{max}	I _{hold}	I _{trip}		
Part number	(V _{dc})	(A)	(A)	(A)	Footprint	AEC-Q200 qualified
PTSA0805	15	10 - 20	0.10 - 0.12	0.30	0805	✓
PTSA1206	13.2 - 60	10 - 40	0.10 - 0.50	0.25 - 1.10	1206	✓
PTSA1210	13.2	40	0.50	1.00	1210	✓
PTSA1812	16 - 60	10 - 40	0.10 - 2.60	0.30 - 5.20	1812	✓
High-temperature						
PTSAHT0805	16	40	0.10	0.60	0805	✓
PTSAHT1206	16 - 30	20-50	0.16 - 0.50	0.80 - 2.50	1206	✓

PTSA0805

A max	B max	C max
2.50 mm	1.60 mm	1.00 mm

PTSA1206

A max	B max	C max
3.50 mm	1.80 mm	1.00 mm

PTSA1210

A max	B max	C max
3.43 mm	2.80 mm	0.85 mm

PTSA1812

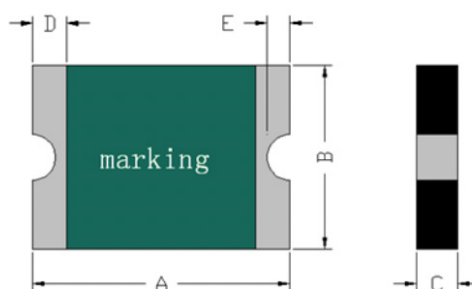
A max	B max	C max
4.73 - 4.83 mm	3.41 mm	1.00 - 2.00 mm

PTSAHT0805

A max	B max	C max
2.50 mm	1.60 mm	0.80 mm

PTSAHT1206

A max	B max	C max
3.50 mm	1.80 mm	0.89 - 1.46 mm



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