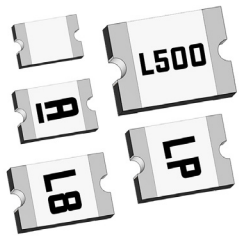




Resettable, fast-acting circuit protection for low voltage applications



Eaton Bussmann® series PTSLR surface-mount fuses provide overcurrent and overtemperature protection for applications like rechargeable battery packs, USB ports, and small DC motors.

Product description

Eaton Bussmann® series PTSLR surface-mount fuses provide overcurrent and overtemperature protection for applications like rechargeable battery packs, USB ports, and small DC motors.

During fault conditions, the fuse offers a high resistance to prevent current from flowing in the circuit until the cause of the fault is removed and the device cools. Unlike one-time fuses, PTSLR fuses don't need to be replaced immediately after a trip.

PTSLR fuses are available in EIA 0603, 0805, 1206, 1210, and 1812 industry sizes, with Hold current ratings between 0.5 A to 7.5 A and can interrupt fault currents up to 50 A at maximum rated voltage. PTSLR fuses offer lower initial resistance than other PTC fuses (as low as 1 mΩ) which helps improve power loss across the device in normal operation.

Features and benefits:

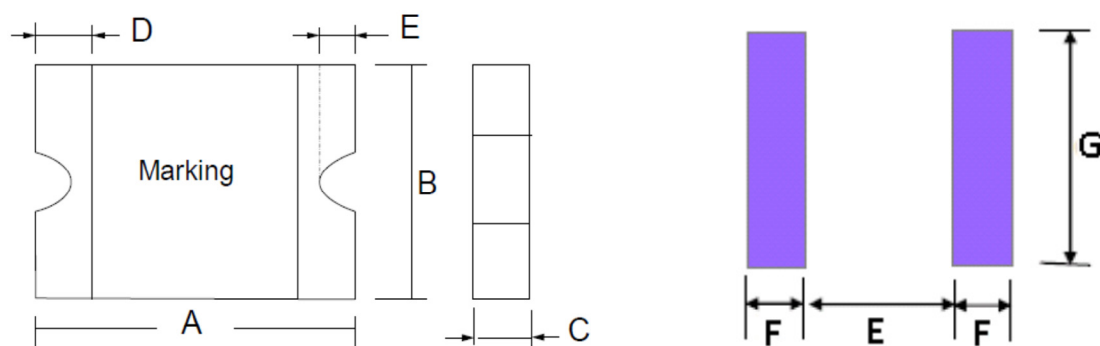
- Ultra-low resistance
- Reliable overcurrent and overtemperature protection
- Fast trip times with resettable operation
- Wide number of footprints available
- Lead and Halogen-free; RoHS compliant



Powering Business Worldwide

PolyTron low resistance PTC fuses

	V _{max}	I _{max}	I _{hold}	I _{trip}		Safety approvals	
Part number	(V _{dc})	(A)	(A)	(A)	Footprint	cURus	TUV
PTSLR0603	6 - 8	50	0.5 - 3	1 - 6	0603	✓	✓
PTSLR0805	6 - 8	50	0.75 - 4.5	0.75 - 9	0805	✓	✓
PTSLR1206	6	50	0.75 - 7	1.50 - 14	1206	✓	✓
PTSLR1210	6	50	1.75 - 7.5	3.50 - 15	1210	✓	✓
PTSLR1812	6	50	1.90 - 5	4.90 - 10	1812	✓	✓



PTSLR0603

A min	A max	B min	B max	C min	C max	D min	D max	E	F	G
-	1.80	-	1	-	0.70	0.15	-	0.60	1.10	1.00

PTSLR0805

A min	A max	B min	B max	C min	C max	D min	D max	E	F	G
2	2.20	1.20	1.50	0.40	0.70	0.15	0.55	1.20	1	1.50

PTSLR1206

A min	A max	B min	B max	C min	C max	D min	D max	E min	E max
3	3.50	1.50	1.80	0.40	1.20	0.13	0.75	0.08	0.45

PTSLR1210

A min	A max	B min	B max	C min	C max	D min	D max	E min	E max
3	3.43	2.35	2.80	0.40	1.20	0.13	0.75	0.08	0.50

PTSLR1812

A min	A max	B min	B max	C min	C max	D min	D max	E min	E max
4.37	4.73	3.07	3.41	0.40	1.20	0.20	1.20	0.15	0.65

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 Printed in USA
 Publication No. 11052 BU-MC21082
 June 2021

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