

Surface Mount Fuses

High-Current > 881 Series



This high-current SMD fuse is a small, square, surface mount fuse that is designed as supplemental overcurrent protection for high-current circuits in various applications.

Features

- Surface mount package: 12.5mm x 10.0mm
- Suitable for reflow soldering
- 60A to 100A ratings
- Lead-free and RoHS compliant

Applications

- Blade Servers
- Routers
- High-power Battery Systems
- Power Factor Correction (PFC) in high wattage power supplies
- Power Distribution Units (PDUs)

Agency Approvals

AGENCY	AGENCY FILE NUMBER	AMPERE RANGE
	E71611	60A – 100A

Electrical Characteristics for Series

% of Ampere Rating	Opening Time
100%	1 Hour, Min.
200%	60 Seconds, Max.

Electrical Specifications by Item

Ampere Rating (A)	Amp Code	Max Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (mOhms)	Nominal Voltage Drop * (mV)	Nominal Melting ** I _t (A ₂ sec)	Agency Approvals
60	060.	75Vdc	1500A @75Vdc	0.81	75	1050	X
70	070.			0.74	85	1250	X
80	080.			0.56	80	3300	X
90	090.			0.54	85	4300	X
100	100.			0.45	80	6900	X

* Nominal Voltage Drop measured at 100% rated Current.

** Nominal Melting I_t measured at 1500A.

Thermal Characteristics

Ampere Rating I _n (A)	Typical Case Temperature Rise (°C) *		
	@ 50%I _n	@ 75%I _n	@ 100%I _n
60	14	35	60
70	15	37	70
80	16	39	85
90	19	49	105
100	23	53	120

* Typical values based on tests conducted with fuse mounted on FR-4 circuit board of 0.062" (1.6 mm) thickness with 6 oz. (210 μm) Cu.