

PPTC

Type PS

PS-SM

PPTC
Type PSSM

△ Feature

- Fuse Capacitor (Replaces traditional fuses in DC applications)
- Auto Reset (when power is cycled)

△ Application

- Medical, telecom and consumer electronic equipment.
- Miniature PCB.

△ Electrical Characteristics



Legend

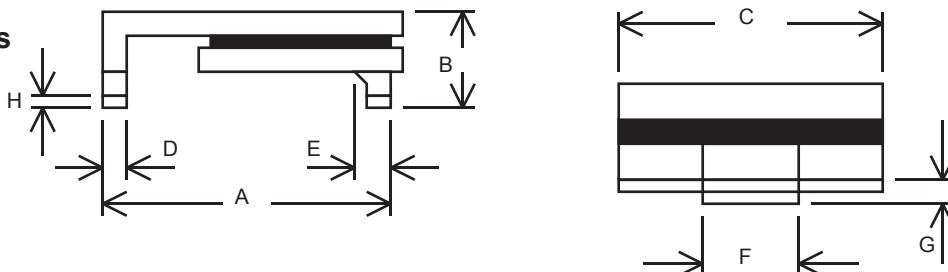
- I_H(A):** Hold current: maximum current at which the device will not trip at 25°C still air
- I_T(A):** Tripping current: minimum current at which the device will trip at 25°C under specified conditions.
- T_T(S):** Maximum time to trip at specified current. (generally at 5I_H)
- V_{max}(V):** Maximum device operating voltage.
- I_{max}(A):** Maximum fault current device can withstand without damage at rated voltage.
- P_{dtyp}(W):** Typical power dissipation: Typical amount of power dissipated by the device when in tripped state air environment.
- R_o(Ω):** Minimum-maximum device resistance at 25° prior to tripping.

Model	I _H (A)	I _T (A)	T _{trip}		V _{max} (V)	I _{max} (A)	R _{min} (Ω)	R _{max} (Ω)	R _{1max} (Ω)
			(A)	(S)		(A)			
PSSM-030	0.30	0.60	11.5	4.0	60	10	0.700	1.300	4.800
PSSM-050	0.50	1.00	2.5	4.0	30	10	0.350	0.600	1.400
PSSM-075	0.75	1.50	8.0	3.0	30	40	0.290	0.400	1.000
PSSM-110	1.10	2.20	8.0	2.0	15	40	0.100	0.190	0.480
PSSM-125	1.25	2.50	8.0	2.0	15	40	0.070	0.120	0.250
PSSM-130	1.30	2.60	8.0	4.0	15	40	0.080	0.130	0.280
PSSM-150	1.50	3.00	8.0	5.0	15	40	0.060	0.110	0.250
PSSM-185	1.85	3.70	8.0	5.0	15	40	0.450	0.080	0.165
PSSM-200	2.00	4.00	8.0	12.0	15	40	0.450	0.065	0.125
PSSM-250	2.50	5.00	8.0	25.0	15	40	0.250	0.052	0.085
PSSM-260	2.60	5.20	8.0	20.0	6	40	0.250	0.052	0.075
PSSM-300	3.00	6.00	8.0	35.0	6	40	0.150	0.330	0.048

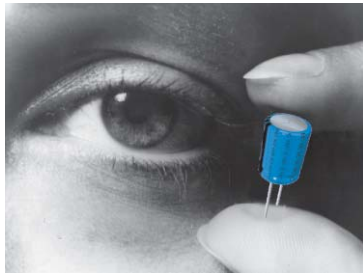
△ Typical T-I Derating Form

Model	Ambient Temperature (°C)								
	-40	-20	0	25	40	50	60	70	85
PSSM-030	0.45	0.40	0.35	0.30	0.25	0.23	0.20	0.17	0.14
PSSM-050	0.76	0.67	0.59	0.50	0.42	0.38	0.33	0.29	0.23
PSSM-075	1.13	1.01	0.88	0.75	0.62	0.56	0.50	0.44	0.34
PSSM-110	1.66	1.47	1.29	1.10	0.91	0.83	0.73	0.64	0.50
PSSM-125	1.89	1.68	1.46	1.25	1.04	0.94	0.83	0.73	0.56
PSSM-150	2.27	2.01	1.76	1.50	1.25	1.31	1.00	0.87	0.68
PSSM-185	2.20	2.08	1.96	1.85	1.70	1.66	1.50	1.48	1.40
PSSM-200	3.02	2.68	2.34	2.00	1.66	1.50	1.32	1.16	0.90
PSSM-250	3.78	3.35	2.93	2.50	2.08	1.88	1.65	1.45	1.13
PSSM-260	3.64	3.25	2.91	2.60	2.26	2.08	1.95	1.74	1.48
PSSM-300	4.01	3.67	3.32	3.00	2.60	2.40	2.25	2.10	1.80

△ Dimensions



Surface Mount Capacitors



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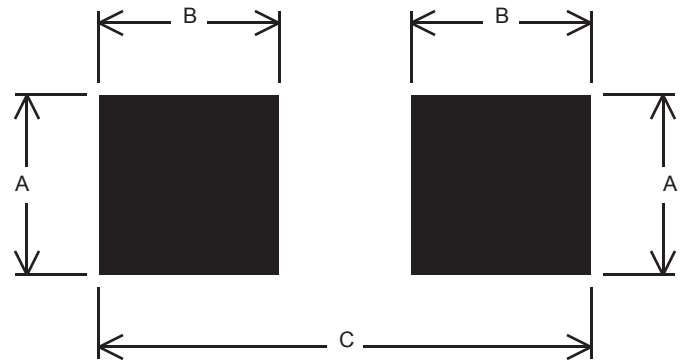
Δ Dimensions

units: mm

Model	A		B	C		D	
	Min	Max	Max	Max	Max	Max	Min
PSSM-030	6.73	7.98	3.18	5.44	0.56	0.71	
PSSM-050	6.73	7.98	3.18	5.44	0.56	0.71	
PSSM-075	6.73	7.98	3.18	5.44	0.56	0.71	
PSSM-110	6.73	7.98	3.00	5.00	0.56	0.71	
PSSM-125	6.73	7.98	3.00	6.71	0.56	0.71	
PSSM-130	8.00	9.50	3.00	6.71	0.56	0.71	
PSSM-150	8.00	9.50	3.00	6.71	0.56	0.71	
PSSM-185	8.00	9.50	3.00	6.71	0.56	0.71	
PSSM-200	8.00	9.50	3.00	6.71	0.56	0.71	
PSSM-250	8.00	9.50	3.00	6.71	0.56	0.71	
PSSM-260	6.73	7.98	3.18	5.44	0.56	0.71	
PSSM-300	6.73	7.98	3.18	5.00	0.56	0.71	

Model	E		F		G		H
	Min	Max	Min	Max	Min	Max	Max
PSSM-030	0.56	0.71	2.16	2.41	0.66	1.37	0.43
PSSM-050	0.56	0.71	2.16	2.41	0.66	1.37	0.43
PSSM-075	0.56	0.71	2.16	2.41	0.66	1.37	0.43
PSSM-110	0.56	0.71	2.16	2.41	0.66	1.37	0.43
PSSM-125	0.56	0.71	2.16	2.41	0.66	1.37	0.43
PSSM-130	0.56	0.71	2.16	2.41	0.66	1.37	0.43
PSSM-150	0.56	0.71	3.68	3.94	0.66	1.37	0.43
PSSM-185	0.56	0.71	3.68	3.94	0.66	1.37	0.43
PSSM-200	0.56	0.71	3.68	3.94	0.66	1.37	0.43
PSSM-250	0.56	0.71	3.68	3.94	0.66	1.37	0.43
PSSM-260	0.56	0.71	2.16	2.41	0.66	1.37	0.43
PSSM-300	0.56	0.71	2.16	2.41	0.66	1.37	0.43

Model	A Nom	B Nom	C Nom
PSSM-030	3.1	2.3	9.7
PSSM-050	3.1	2.3	9.7
PSSM-075	3.1	2.3	9.7
PSSM-110	3.1	2.3	9.7
PSSM-125	3.1	2.3	9.7
PSSM-130	3.1	2.3	9.7
PSSM-150	4.6	2.3	10.7
PSSM-185	4.6	2.3	10.7
PSSM-200	4.6	2.3	10.7
PSSM-250	4.6	2.3	10.7
PSSM-260	3.1	2.3	9.7
PSSM-300	3.1	2.3	9.7



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