

# SK406 Series (this is the Surface Mount Option of P600L fuses)

Part Numbering System **SK406 -** Fuse Type **72 -** Voltage **1.0** Amp

## Short Form Catalog

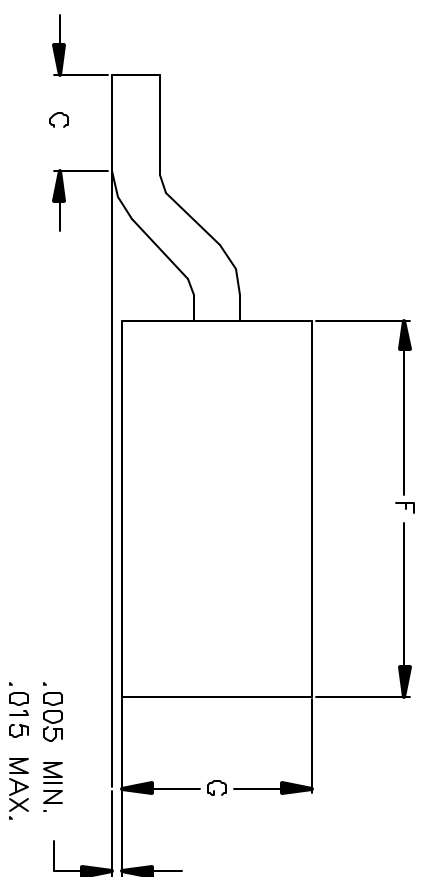
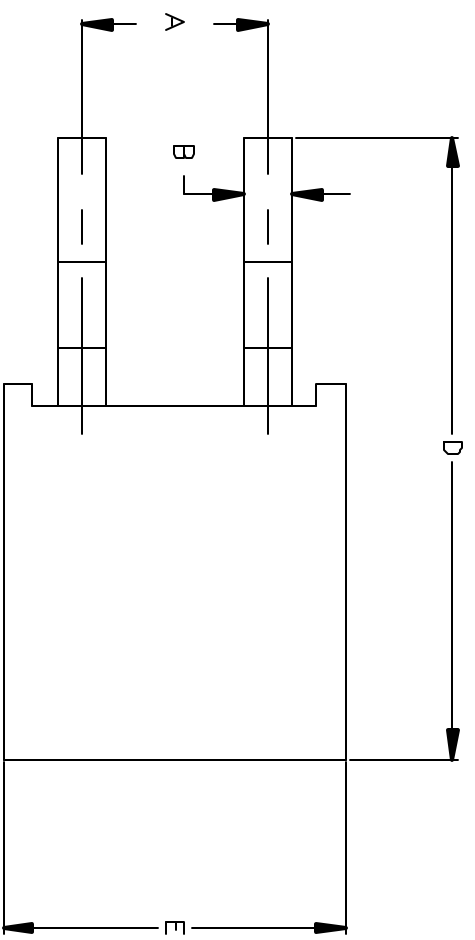
Part Number/Rating			Cold Resistance (Ohm) Note 1			Overload Interrupt Time (Second) Nominal Rating - Note 2			Maximum I <sup>2</sup> T (Ampere <sup>2</sup> Second) Nominal Rating - Note 3		
Part Number	Max. voltage (VDC)	Current Rating (Amp)	Min.	Max.	Fig.* (1, 2, Or 3)	250%	400%	600%	250%	400%	600%
SK406-50-20.0	50	20.0	0.0025	0.0050	3	.01 - .300	.001 - .015	.00015 - .003	750.000	96.000	43.200
SK406-72-1/8	72	1/8	6.375	10.625	1	.005 - 30.0	.0005 - .015	.000075 - .003	2.930	0.004	0.002
SK406-72-1/4	72	1/4	1.875	3.125	1	.005 - 30.0	.0005 - .015	.000075 - .003	11.719	0.015	0.007
SK406-72-3/8	72	3/8	1.125	1.875	1	.01 - .300	.001 - .015	.00015 - .003	0.264	0.034	0.015
SK406-72-1/2	72	1/2	0.675	1.125	1	.01 - .300	.001 - .015	.00015 - .003	0.469	0.060	0.027
SK406-72-3/4	72	3/4	0.225	0.375	1	.01 - .300	.001 - .015	.00015 - .003	1.055	0.135	0.061
SK406-72-1.0	72	1.0	0.135	0.225	1	.01 - .300	.001 - .015	.00015 - .003	1.875	0.240	0.108
SK406-72-1.5	72	1.5	0.097	0.163	1	.01 - .300	.001 - .015	.00015 - .003	4.219	0.540	0.243
SK406-72-2.0	72	2.0	0.045	0.075	1	.01 - .300	.001 - .015	.00015 - .003	7.500	0.960	0.432
SK406-72-3.0	72	3.0	0.0262	0.0438	1	.01 - .300	.001 - .015	.00015 - .003	16.875	2.160	0.972
SK406-72-4.0	72	4.0	0.0195	0.0325	1	.01 - .300	.001 - .015	.00015 - .003	30.000	3.840	1.728
SK406-72-5.0	72	5.0	0.0135	0.0225	1	.01 - .300	.001 - .015	.00015 - .003	46.875	6.000	2.700
SK406-72-6.0	72	6.0	0.0112	0.0188	1	.01 - .300	.001 - .015	.00015 - .003	67.500	8.640	3.888
SK406-72-7.5	72	7.5	0.0082	0.0138	1	.01 - .300	.001 - .015	.00015 - .003	105.469	13.500	6.075
SK406-72-10.0	72	10.0	0.0063	0.0107	2	.01 - .300	.001 - .015	.00015 - .003	187.500	24.000	10.800
SK406-72-15.0	72	15.0	0.0040	0.0070	2	.01 - .300	.001 - .015	.00015 - .003	421.875	54.000	24.300
SK406-125-1/8 SK406-135-1/8	125 135	1/8	6.375	10.625	1	.005 - 30.0	.0005 - .015	.000075 - .003	2.930	0.004	0.002
SK406-125-1/4 SK406-135-1/4	125 135	1/4	1.875	3.125	1	.005 - 30.0	.0005 - .015	.000075 - .003	11.719	0.015	0.007
SK406-125-3/8 SK406-135-3/8	125 135	3/8	1.125	1.875	1	.01 - .300	.001 - .015	.00015 - .003	0.264	0.034	0.015
SK406-125-1/2 SK406-135-1/2	125 135	1/2	0.675	1.125	2	.01 - .300	.001 - .015	.00015 - .003	0.469	0.060	0.027
SK406-125-3/4 SK406-135-3/4	125 135	3/4	0.225	0.375	2	.01 - .300	.001 - .015	.00015 - .003	1.055	0.135	0.061
SK406-125-1.0 SK406-135-1.0	125 135	1.0	0.090	0.270	2	.01 - .300	.00075 - .015	.00010 - .003	1.875	0.240	0.108
SK406-125-1.5 SK406-135-1.5	125 135	1.5	0.085	0.225	2	.01 - .300	.00075 - .015	.00010 - .003	4.219	0.540	0.243
SK406-125-2.0 SK406-135-2.0	125 135	2.0	0.045	0.135	2	.01 - .300	.00075 - .015	.00010 - .003	7.500	0.960	0.432
SK406-125-3.0 SK406-135-3.0	125 135	3.0	0.035	0.105	2	.01 - .300	.00075 - .015	.00010 - .003	16.875	2.160	0.972
SK406-125-4.0 SK406-135-4.0	125 135	4.0	0.030	0.090	2	.01 - .300	.00075 - .015	.00010 - .003	30.000	3.840	1.728
SK406-125-5.0 SK406-135-5.0	125 135	5.0	0.022	0.068	2	.01 - .300	.00075 - .015	.00010 - .003	46.875	6.000	2.700
SK406-125-7.5~ SK406-135-7.5~	125 135	7.5	0.0165	0.0275	~	0.1 - 4.0	.008 - .048	.0008 - .008	1406.25	43.20	16.20
SK406-125-10.0~ SK406-135-10.0~	125 135	10.0	0.0120	0.0200	~	0.1 - 4.0	.008 - .048	.0008 - .008	2500.0	76.80	28.80
SK406-125-15.0~ SK406-135-15.0~	125 135	15.0	0.0090	0.0130	~	0.1 - 5.0	.01 - .06	.001 - .010	7031.25	216.0	81.00

**NOTES:**

- Cold resistance is measured at from 0.1 to 10 milliamperes of current.
- Overload interrupt times at -55°C and 250% overload current shall be as follows:
  - Fuses with ratings <3/8 amps shall open in 60 secs max.
  - Fuses with ratings from 3/8 to 1.0 amp shall open in 10 secs max.
  - Fuses with ratings > 1.0 amp shall open in 5 secs max.
- Maximum I<sup>2</sup>T at -55°C and 250% overload current may be greater than indicated. To calculate I<sup>2</sup>T at a case temperature of -55°C and 250% overload current, multiply the I<sup>2</sup> product by the maximum blow times indicated in note 2 above.

- \*Please see SK406 & P600L (modified lead version of) Spec Sheets for figures detailing dimensions, construction and marking
- ~Please see Non-Standard Spec Sheets SK406 is modified P600L) for figures detailing dimensions, construction and marking

REV.	C/N	DESCRIPTION	APPROVAL
A	2066	ISSUE NEW DWG.	
B	2078	ADDED NOTE B AND REVISED DIMS	
C		ADDED PROBL-125-7.5/10/15	



NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. LEADS TO BE COATED WITH SN60/PB40 SOLDER.
3. PRIOR TO SK-406 LEAD FORMING, ALL FUSES SHALL BE SCREENED PER THE GROUP A SCREENING REQUIREMENTS OF THE P600L SPECIFICATION.
4. GROUP B SCREENING TO BE CONDUCTED ON FUSES AFTER LEAD FORMING TO SK-406 REQUIREMENTS.
5. PARTS TO BE MARKED PER THE P600L SPECIFICATION WITH P600L PART NUMBER.
6. FUSE PACKAGING TO BE LABELED WITH SK-406 DESIGNATION.
7. PART ORDERING INFORMATION:  
EXAMPLE: P600L-72-7.5 ORDERED AS SK406-72-7.5.
8. GROUP B, SOLDERABILITY TESTING, TO BE CONDUCTED PRIOR TO TERMINAL STRENGTH AND OVERLOAD CURRENT TESTING.

	A		B		C		D		E		F		G	
P600L FIG.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
FIGURE 1	.145	.175	.024	.028	.120	.135	.480	.540	.260	.280	.260	.275	.130	.145
FIGURE 2	.190	.210	.049	.054	.120	.135	.610	.685	.360	.380	.400	.410	.190	.210
FIGURE 3	.190	.210	.063	.067	.120	.135	.610	.685	.360	.380	.400	.410	.190	.210
P600L-125-7.5	.335	.365	.049	.054	.120	.135	.640	.710	.590	.610	.415	.435	.290	.310
P600L-125-10.0														
P600L-125-15.0														



DRAWING TITLE : SK406 LEAD OPTION  
FOR P600L STYLE FUSES

TOLERANCES UNLESS OTHERWISE SPECIFIED :	XX = N/A	DWG. NO	REV.
	.XXX = N/A	887108	C
	ANGLE = N/A °		

DESIGNED :	JM 6-26-97	SHEET 1 OF 1
DRAWN :	JM 6-26-97	SCALE NONE
CHECKED :	M. VL 6-27-97	DRAWING SIZE A