

Rev.	Effective Date	Changed Contents
A	2020-9-27	New Release
В	2021-4-7	Update Spedfications

HALOGEN

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Description

F06F Series are the fuses set the industry standard for performance, reliability and quality. The solder-free design provides excellent on-off and temperature cycling characteristics during use and also makes our SMD fuses more heat and shock tolerant than typical subminiature fuses.



Electrical Characteristics					
Rated Current	1.0In	2.5In			
1.5A	4 hour minimum	5 sec maximum			

Features

- > AEC-Q200 Automotive Grade Certified
- Compatible with reflow and wave solder
- Excellent environmental integrity
- One time positive disconnect
- Lead Free and Halogen free material

Specifications

Specification								
Part No.	Rated Voltage DC	Rated Current (A)	Breaking Capacity (A) ¹	Typical Cold. Resistance (mOhms) ²	Typical Voltage Drop (mV)	Typical Pre- Arcing I ² t (A ² Sec) ³	Alpha Mark	
F06F0.25		0.250	50A	3250	893	0.00042	D	
F06F0.375]	0.375	50A	1800	587	0.00093	E	
F06F0.5		0.500	50A	1070	582	0.001	F	
F06F0.75		0.750	50A	470	427	0.009	G	
F06F1		1	50A	250	335	0.011	B	
F06F1.5		1.5	50A	150	270	0.045	H	
F06F2		2	50A	78	160	0.115	K	
F06F2.5	32V	2.5	50A	49	145	0.14	L	
F06F3		3	50A	35	130	0.21	0	
F06F3.5		3.5	50A	28	130	0.5	R	
F06F4		4	50A	18	120	0.56	S	
F06F5		5	50A	14	110	1.2	Т	
F06F6] [6	50A	11	110	1.7	V**	
F06F7		7	50A	9.5	80	2.3	X**	
F06F8		8	50A	7	75	3.0	Z**	

1. DC Interrupting Rating (Measured at rated voltage, time constant of less than 50 microseconds, battery source)

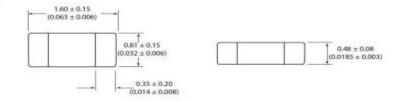
2. DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25degrees

3. Typical Pre-arcing I²t are measured at 10In Current

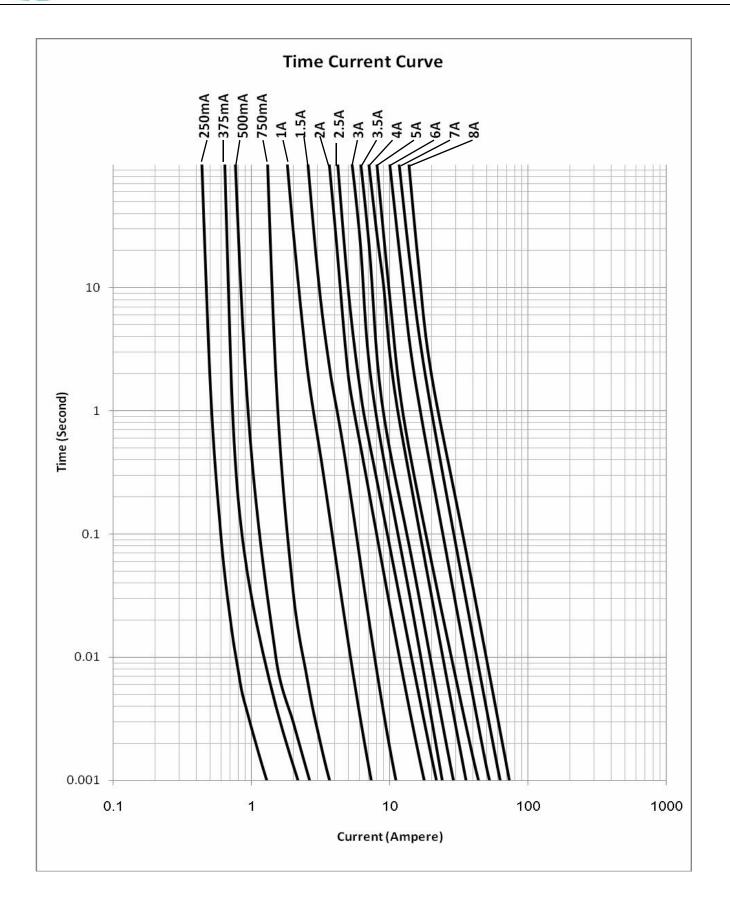
** For 1A-5A, the color of glass coating is Green; for others, it's Blue.

Specifications are subject to change without notice. Application testing is strongly recommended.

Dimension Drawing not to scale (Unit: mm/inch)

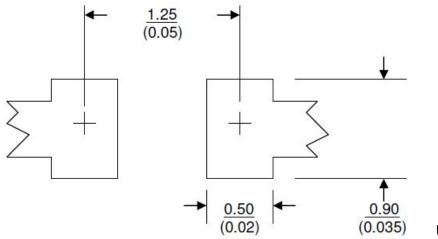


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Recommended land pattern

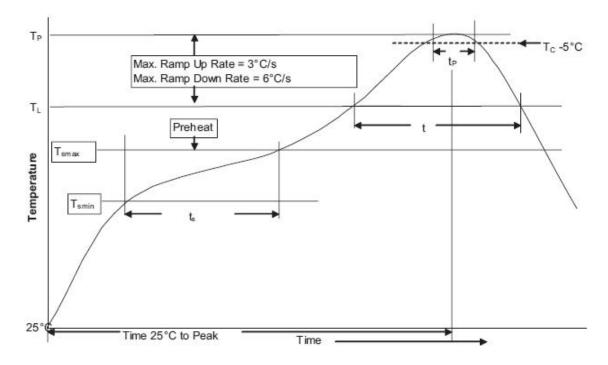


Unit: mm/inches

Soldering method

- > Wave solder
 - Reservoir temperature: 260°C
 - Time in reservoir: 10 seconds maximum
- Infrared reflow
 - Temperature: 260°C
 - Time: 30 seconds maximum

Solder reflow profile



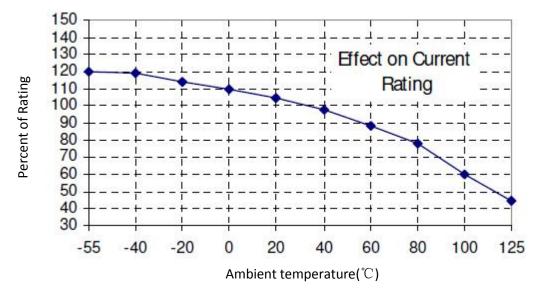


Profile Feature	Lead(Pb) free solder	
Preheat and soak • Temperature min.(T _{smi}		150°C
	• Temperature max. (T _{smax})	200°C
	60 - 120 Seconds	
Average ramp up rate T_{smax} to T	3°C / Second Max.	
Liquidous temperature (T_L)	217°C	
Time at liquidous (t _L)	60 - 150 Seconds	
Peak package body temperatur	260°C	
Time (t _P) within 5°C of the speci	30 Seconds	
Average ramp-down rate (TP to	6°C / Second Max.	
Time (25°C to Peak Temperatur	8 Minutes Max.	

Temperature Derating Curve

Normal ambient temperature: 23+/-3°C

Operating temperature: -55 ~ 125°C, with proper correction factor applied



Package

5000 fuses on 8mm tape-and-reel on a 7 inch (178mm) reel per EIA Standard 481.

--- End of Document ---

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 0308.250UR
 0308.375UR
 0308.500UR
 0308.750UR
 0308001.UR
 030801.5UR
 FCC16202ABTP
 F0603G0R03FNTR
 SKY87604-12

 SKY87604-11
 SKY87604-13
 3404.0110.22
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 122
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 SGB075
 S1206-FC-1.0A
 S1206-S-2.0A
 CFS06V3TR63
 F06F3
 F12F7
 F12T20
 F06F0.25
 F06T0.5
 F12F2.5
 F12F0.25
 F06F1
 F06F8

 F06T1
 F12F10
 F06F0.75
 F06F6
 F06F1.5
 F06T2
 F12F3.5
 F12T5