

OACF Series RoHS Compliant

Description

5x5x32mm physical size

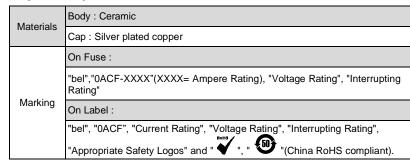
Features

- -1500VDC maximum, High voltage and High Breaking Capacity
- RoHS compliant with exemption 7(a)

Full compliance with EU Directive 2011/65/EU and amending directive 2015/863

- AEC-Q Compliant
- Meets Bel automotive qualification*
- * Largely based on internal AEC-Q test plan

Physical Specifications





AEC-Q Compliant

Electrical Characteristics

% of Ampere	Operating Time		
Rating (A)	Min	Max	
100%	4hours	-	
250%	-	120sec	

Safety Agency Approvals

Safety Agency	Ampere Rating / Voltage Rating	Ampere Range / Volt @ I.R. ability*
	800mA / 1500V DC ** 800mA-3A / 1000V DC	800mA/ 1500V @ 10kA DC 800mA-3A / 1000V @ 10kA DC
c FL °us	1A-3A / 1000V DC	1A-3A / 1000V @ 10kA DC

*I.R.=DC Interrupting Rating (measured at designated voltage, time constant of less than 50 microseconds)

** 800mA Self-certified for 1500Vdc/10kA I.R

Electrical Specifications

Part Number	Ampere Rating	Voltage and Interrupting Ratings	Typical Cold. Resistance (mohms)	Typical Voltage Drop (mV)	Typical Pre-Arcing I²t (A²S)	Agency Approvals
0ACF-0800-XX	800mA		560	500	0.65	
0ACF-1000-XX	1A	See Table of Ratings on Page 1	435	480	1.30	Y
0ACF-2000-XX	2A	for Voltage and associated	140	415	1.5	Υ
0ACF-2500-XX	2.5A	Interrupting Ratings	106	385	2.5	Υ
0ACF-3000-XX	3A		90	390	4.0	Υ

Consult manufacturer for other ratings

Typical Pre-arcing I²t are measured at 10ln Current, DC battery bank.

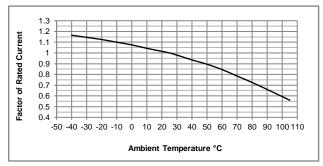


Specifications subject to change without notice

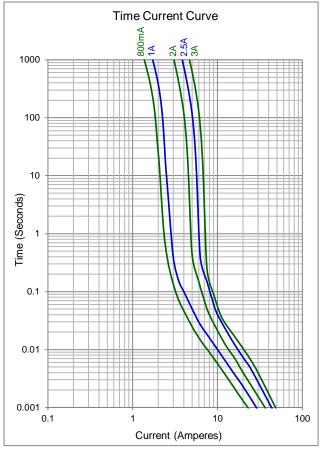
Type 0ACF

Temperature Re-Rating Curve

Normal Operating Temperature: 25 ℃



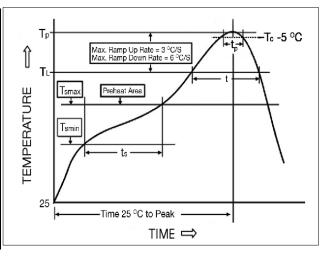
Average Time Current Curve



Soldering Characteristics

Reflow Soldering Condition:

Profile Feature	Lead(Pb) free solder	
Preheat and soak		
Temperature min.(T _{smin})	150℃	
Temperature max. (T _{smax})	200℃	
Time (T _{smin} to T _{smax}) (t _S)	60 - 120 Seconds	
Average ramp up rate T _{smax} to T _p	3°C / Second Max.	
Liquidous temperature (T _L)	217°C	
Time at liquidous (t _L)	60 - 90 Seconds	
Peak package body temperature (T _P)	260 ^{+0/-5} °C	
Time (t _P) within 5°C of the specified	20-40 Seconds	
classification temperature (T _C)	20 10 00001100	
Average ramp-down rate (T _P to T _{smax})	6°C / Second Max.	
Time (25°C to Peak Temperature)	8 Minutes Max.	



Manual Soldering:

- Temperature: 350° C
- Time: 5 Seconds Maximum



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Bel Fuse Inc. 300 Executive Drive, Suite 300, West Orange, NJ 07052 USA +1 201.432.0463 Bel.US.CS@belf.com belfuse.com/circuit-protection Type 0ACF

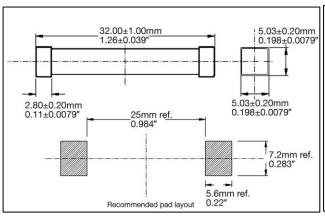
Fuse FGNO Explanation 0ACF - [XXXX] -XX

0ACF=0ACF; [XXXX]=Ampere Rating; XX=See Ordering Information as below

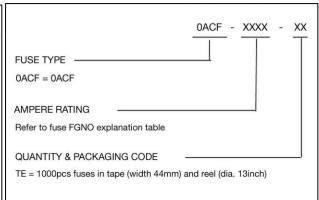
Fraction	Decimal	Milliamps	Bel FGNO[XXXX]
8/10	0.800	800	0800

Decimal	Amps	Bel FGNO[XXXX]
1.0	1	1000
2.0	2	2000
2.5	2.5	2500
3.0	3	3000

Mechanical Dimensions



Ordering Information



Packaging

Packaging Option	Quantity	Packaging Code
Tape (width 44mm) and reel (dia. 13in	ch) 1000	TE



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