

OACF Series RoHS Compliant

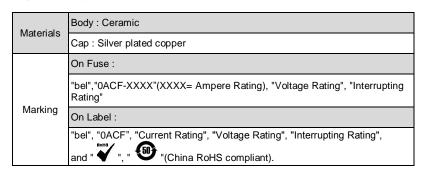
Description

5x5x32mm physical size

Features

- -1000VDC High voltage, High Breaking Capacity
- RoHS compliant with exemption 7(a)
 Fully 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	

Ratings

Ampere Rating / Voltage Rating	Ampere Range / Volt @ I.R. ability**		
800mA-3A / 1000V DC	800mA-3A / 1000V @ 10kA DC		
**I.R.=DC Interrupting Rating (measured at designated voltage, time			
constant of less than 50 microseconds)			

Electrical Specifications

Part Number	Ampere Rating	Voltage and Interrupting Ratings	Typical Cold. Resistance (mohms)**	Typical Voltage Drop (mV)	Typical Pre-Arcing I²t (A²S)***
0ACF-0800-XX	800mA	See Table of Ratings on	560	500	0.65
0ACF-1000-XX	1A	Page 1 for Voltage and associated Interrupting Ratings	435	480	1.30
0ACF-3000-XX	3A		90	390	4.0

Consult manufacturer for other ratings

^{***:} Typical Pre-arcing I2t are measured at 10In Current, DC battery bank.

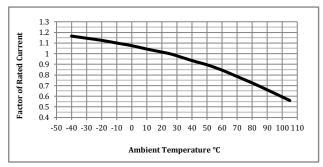


Specifications subject to change without notice

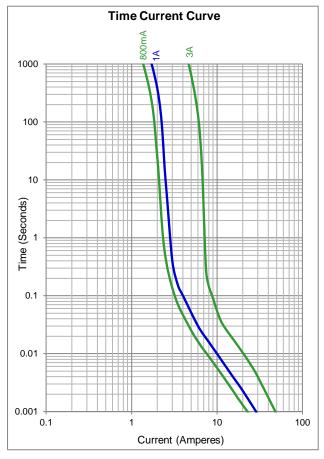
Type 0ACF

Temperature Re-Rating Curve

Normal Operating Temperature: 25 ℃



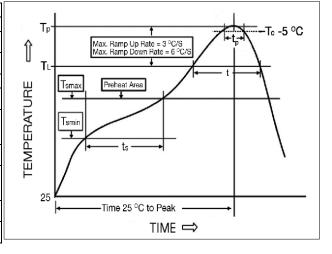
Average Time Current Curve



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 $(T_{smin} \text{ to } T_{smax}) (t_S)$	60 - 120 Seconds	
Average ramp up rate T_{smax} to T_p	3°C / Second Max.	
Liquidous temperature (T _L) Time at liquidous (t _L)	217℃	
	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



Specifications subject to change without notice

Bel Fuse Inc. 206 Van Vorst Street Jersey City, NJ 07302 USA +1 201.432.0463 Bel.US.CS@belf.com belfuse.com/circuit-protection Type 0ACF

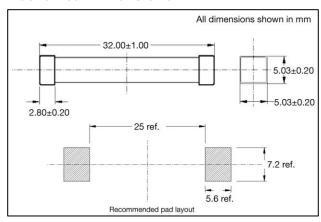
Fuse FGNO Explanation 0ACF - [XXXX] -XX

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

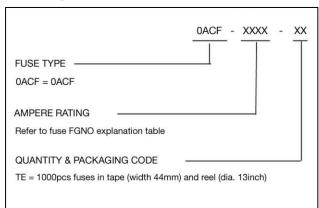
Fraction	Decimal	Milliamps	Bel FGNO[XXXX]
8/10	0.800	800	0800

Decimal	Amps	Bel FGNO[XXXX]	
1.0	1	1000	
3.0	3	3000	

Mechanical Dimensions



Ordering Information



Packaging

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

