

## 3216LV Series, Fast Acting, Line Voltage

### Description

- Surface mount fuse, fast acting, 125Vac
- Utilize thick and thin metal film technologies for superior fusing action and enhanced reliability.

ELECTRICAL CHARACTERISTICS	
% of Amp Rating	Opening Time
100%	4 hours minimum
250%	5 seconds maximum

### Agency Information

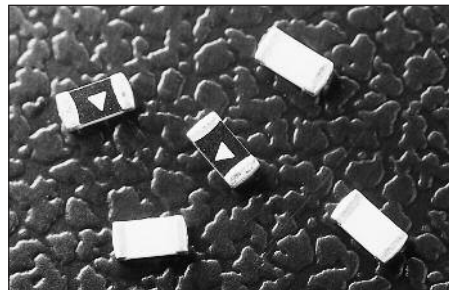
- UL Recognition Guide & File numbers: JDYX2 & E19180.
- CSA Component Acceptance: 053787 C 000 & Class No: 1422 30.

### Environmental Data

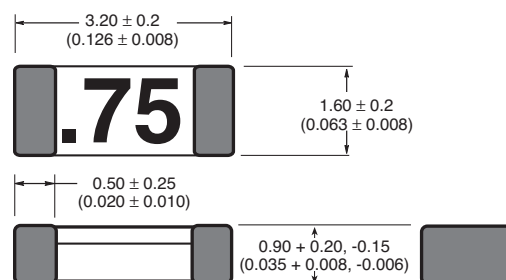
- Operating Temperature Range: -65 to +125°C, with proper derating
- Thermal Shock: MIL-STD-202, Method 107, Test Condition B (-65 to 125°C), 1000 cycles, fuses soldered to FR-4 glass-epoxy circuit board
- Vibration: MIL-STD-202, Method 204, Test Condition C (55 to 2000 HZ, 10G)
- Solderability: Withstands 60 seconds above 200°C, 260°C maximum
- Moisture Resistance: MIL-STD-202, Method 106, 10 day cycle
- Solder Leach Resistance & Terminal Adhesion: EIA-576 (30 seconds submersion in 260°C tin-lead solder)

### Ordering

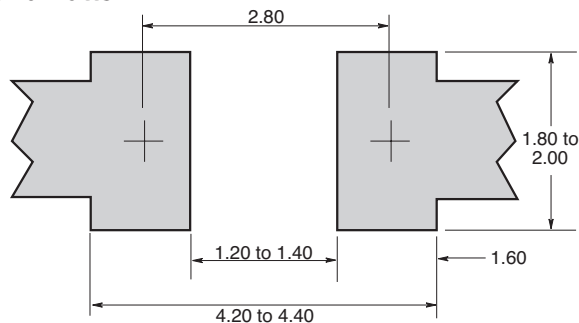
- Specify packaging and product code (i.e. TR/3216LV1-R)



**Dimensions** mm/(inches)  
Drawing Not to Scale



### Land Pattern



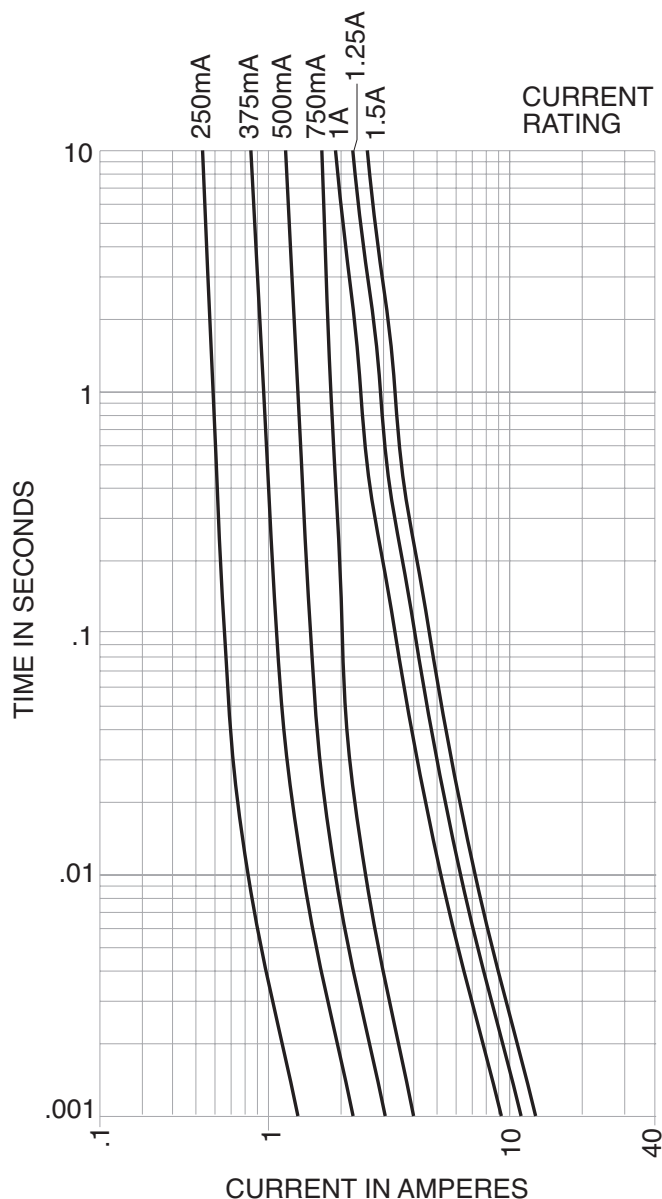
## SPECIFICATIONS

Part Part Number	Current Rating (Amps) (Amps)	Voltage Rating Vac/dc Vac/dc	Interrupting Rating @125Vac/dc (amps)	Typical Melting Integral @ 10X Rated Current (A <sup>2</sup> * sec)		Typ. Resistance @ ≤ 10% Rated Current (Ω)	Typ. Voltage Drop @ Rated Current (Volts)
				AC	DC		
3216LV250-R	250mA	125	50	0.00016	0.000084	4.5	1.4
3216LV375-R	375mA	125	50	0.001	0.0002	1.80	0.73
3216LV750-R	750mA	125	50	0.0033	0.00379	0.75	0.63
3216LV1-R	1	125	50	0.020	0.0084	0.52	0.63
3216LV1.25-R	1.25	125	50	0.035	0.021	0.40	0.62
3216LV1.5-R	1.5	125	50	0.038	0.024	0.26	0.49

### Notes:

1. AC interrupting rating, melting integral and total clearing integral measured at 125V, unity power factor
2. DC interrupting rating, melting integral and total clearing integral measured at 125V with a battery source
3. Voltage drop measured at 23 ± 3°C ambient temperature with the device mounted on a suitable circuit board trace
4. It is recommended that fuses be mounted with ceramic (white) side facing up
5. Device designed to carry rated current for four hours minimum. An operating current of 80% or less of rated current is recommended, with further derating required at elevated ambient temperatures

**TIME CURRENT CURVE**



<b>PACKAGING CODE</b>	
<b>Packaging Code</b>	<b>Description</b>
<b>TR</b>	3000 fuses on 8mm tape-and-reel on a 7 inch (178mm) reel per EIA Standard 481

Visit us on the web at:  
[www.bussmann.com](http://www.bussmann.com)

OC-2541 Rev. A 0514

**North America**

Cooper Electronic Technologies  
1225 Broken Sound Parkway NW  
Suite F  
Boca Raton, FL 33487-3533  
Tel: 1-561-998-4100  
Fax: 1-561-241-6640  
Toll Free: 1-888-414-2645

Cooper Bussmann  
P.O. Box 14460  
St. Louis, MO 63178-4460  
Tel: 1-636-394-2877  
Fax: 1-800-544-2570

**Europe**

Cooper Electronic Technologies  
Cooper (UK) Limited  
Burton-on-the-Wolds  
Leicestershire • LE12 5TH  
UK  
Tel: +44 (0) 1509 882 737  
Fax: +44 (0) 1509 882 786

Cooper Electronic Technologies  
Avda. Santa Eulalia, 290  
08223  
Terrassa, (Barcelona), Spain  
Tel: +34 937 362 812  
+34 937 362 813  
Fax: +34 937 362 719

**Asia Pacific**

Cooper Electronic Technologies  
1 Jalan Kilang Timor  
#06-01 Pacific Tech Centre  
Singapore 159303  
Tel: +65 278 6151  
Fax: +65 270 4160

# AMEYA360

## Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit [www.ameya360.com](http://www.ameya360.com)

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd  
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email [amall@ameya360.com](mailto:amall@ameya360.com)

QQ 800077892

Skype [ameyasales1](#) [ameyasales2](#)

➤ Customer Service :

Email [service@ameya360.com](mailto:service@ameya360.com)

➤ Partnership :

Tel +86 (21) 64016692-8333

Email [mkt@ameya360.com](mailto:mkt@ameya360.com)