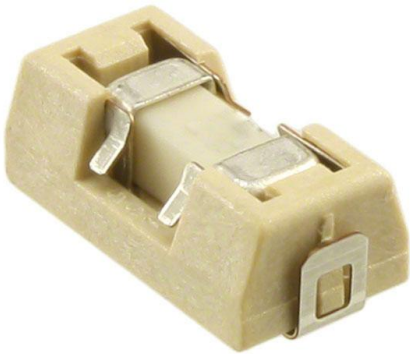


# 0154008.DR Datasheet

[www.digi-electronics.com](http://www.digi-electronics.com)



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	0154008.DR-DG
Manufacturer	<a href="#">Littelfuse Inc.</a>
Manufacturer Product Number	0154008.DR
Description	FUSE BRD MNT 8A 125VAC/VDC 2SMD
Detailed Description	8 A 125 V AC 125 V DC Fuse Board Mount (Cartridge Style Excluded) Requires Holder, Surface Mount 2-SMD, Square End Block with Holder

This model 0154008.DR is available at DiGi Electronics.

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## Purchase and inquiry

Manufacturer Product Number:

0154008.DR

Series:

OMNI-BLOK® 154

Mounting Type:

Requires Holder, Surface Mount

Current Rating (Amps):

8 A

Voltage Rating - DC:

125 V

Package / Case:

2-SMD, Square End Block with Holder

Melting I<sup>2</sup>t:

20.23

Operating Temperature:

-55°C ~ 125°C

Size / Dimension:

0.383" L x 0.198" W x 0.150" H (9.73mm x 5.03mm x 3.81mm)

Manufacturer:

Littelfuse Inc.

Product Status:

Active

Fuse Type:

Board Mount (Cartridge Style Excluded)

Voltage Rating - AC:

125 V

Response Time:

Fast Blow

Breaking Capacity @ Rated Voltage:

50A

Approval Agency:

PSE, UL

Color:

-

DC Cold Resistance:

0.0077 Ohms

## Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8536.10.0040

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

# 154/154T/154L/154TL Series

## OMNI-BLOK® Fuse and Holder Assembly



154/154T (Tan color holder like shown in this image)  
154L/154TL (Black color holder)

### Agency Approvals

Agency	Agency File Number	Ampere Range
	E14721	0.062A - 10A+ 0.375A - 7A++
	NBK030205-E10480A NBK030205-E10480B NBK101105-E184655 NBK030205-E10480B	1A - 1.6A+ 2A - 5A+ 6.3A - 10A+ 1A - 5A++
	N/A	0.062A - 10A
	N/A	0.062A - 10A

+ Fast-acting Fuse  
++ Slo-Blo(R) Fuse

## Description

The RoHS compliant 154 Series OMNI-BLOK® Fuse and Holder Assembly offers a solution for efficient installation and easy replacement of miniature Nano2® surface mount fuses. Offered in a tape and reel package, this fuse and holder combination can be installed on a PC board as an efficient single step. Fuse replacement can be accomplished without exposing the PC board to the detrimental effects of solder heat.

The fuse holder unit may be sold as a stand-alone item, shipped in bulk quantity using part number 01550900M and also pre-packaged in tape and reel cartridges using part number 01550900DR.

## Features & Benefits

- Easy fuse replacement
- Miniature size
- RoHS-compliant and Halogen-free
- Very Fast-Acting and Time-Lag options available
- Holder sized to fit a range of Nano2® type fuses
- Wide range of current ratings available
  - Fast-Acting Fuses: 62mA - 10A
  - Slo-Blo Fuses: 375mA - 5A
- Wide operating temperature range
- Heat-resistant fuseholder, UL94 V-0
- 260°C reflow capable fuseholder
- Recognized to UL/CSA/NMX 248-1, UL/CSA/NMX 248-14 and UL/CSA/NMX 4248-1.

## Ordering Information

### With Very Fast-Acting Fuse Installed

Catalog Number	Ampere Rating (A)	Amp Code	Fuse Furnished*
154.062	0.062	0.062	453.062
154.08	0.08	0.08	453.08
154.1	0.1	0.1	453.1
154.125	0.125	0.125	453.125
154.16	0.16	0.16	453.16
154.2	0.2	0.2	453.2
154.25	0.25	0.25	453.25
154.315	0.315	0.315	453.315
154.375	0.375	0.375	453.375
154.4	0.4	0.4	453.4
154.5	0.5	0.5	453.5
154.63	0.63	0.63	453.63
154.75	0.75	0.75	453.75
154.8	0.8	0.8	453.8
154001.0	1	1.0	453001.0
1541.25	1.25	1.25	4531.25
15401.5	1.5	1.5	45301.5
15401.6	1.6	1.6	45301.6
154002.0	2	2.0	453002.0
15402.5	2.5	2.5	45302.5
154003.0	3	3.0	453003.0
1543.15	3.15	3.15	4533.15
15403.5	3.5	3.5	45303.5
154004.0	4	4.0	453004.0
154005.0	5	5.0	453005.0
15406.3	6.3	06.3	45306.3
154007.0	7	7.0	453007.0
154008.0	8	8.0	453008.0
154010.0	10	10.0	453010.0

### With Slo-Blo® Fuse Installed

Catalog Number	Ampere Rating (A)	Amp Code	Fuse Furnished*
154.375T	0.375	0.375	454.375
154.5T	0.5	0.5	454.5
154.75T	0.75	0.75	454.75
154001.0T	1	1.0	454001.0
15401.5T	1.5	1.5	45401.5
154002.0T	2	2.0	454002.0
15402.5T	2.5	2.5	45402.5
154003.0T	3	3.0	454003.0
15403.5T	3.5	3.5	45403.5
154004.0T	4	4.0	454004.0
154005.0T	5	5.0	454005.0
154007.0T	7	7.0	454007.0

\* The 453 and 454 Series fuses identified above have silver-plated end caps, designed to accommodate solder reflow processes:

For 453 Series fuse replacement, either 451, 453 or 448 Series may be used.

For 454 Series fuse replacement, either 452, 454 or 449 Series may be used.

For detailed operating characteristic and performance information for each of the fuse series mentioned above, please refer to their respective data available online at [www.littelfuse.com](http://www.littelfuse.com).

\*\* 155900 is UL Recognized for the US and Canadian market. It is rated 125V, 10A.

## Additional Information



Resources



Accessories



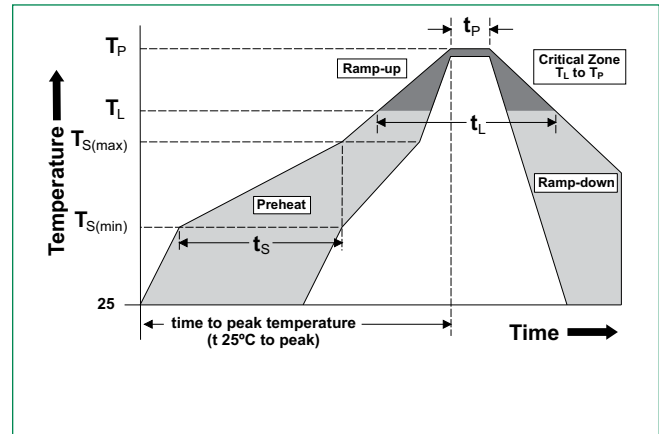
Samples

# 154/154T/154L/154TL Series

## OMNI-BLOK® Fuse and Holder Assembly

### Soldering Parameters

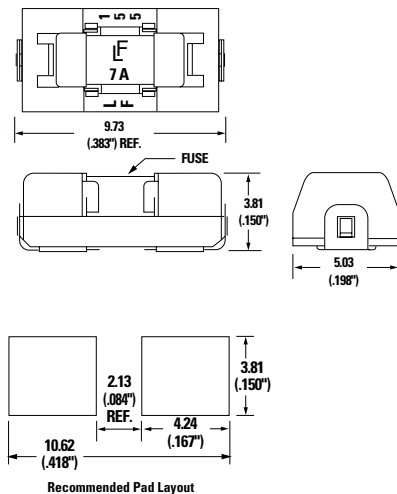
<b>Reflow Condition</b>		Pb – Free assembly
<b>Pre Heat</b>	- Temperature Min ( $T_{s(min)}$ )	150°C
	- Temperature Max ( $T_{s(max)}$ )	200°C
	- Time (Min to Max) ( $t_s$ )	60 - 180 seconds
<b>Average Ramp-up Rate (Liquidus Temp (<math>T_L</math>) to peak)</b>		5°C/second max.
<b><math>T_{s(max)}</math> to <math>T_L</math> - Ramp-up Rate</b>		5°C/second max.
<b>Reflow</b>	- Temperature ( $T_L$ ) (Liquidus)	217°C
	- Temperature ( $t_L$ )	60 - 150 seconds
<b>Peak Temperature (<math>T_p</math>)</b>		260 <sup>+0/-5</sup> °C
<b>Time within 5°C of actual peak Temperature (<math>t_p</math>)</b>		20 – 40 seconds
<b>Ramp-down Rate</b>		5°C/second max.
<b>Time 25°C to peak Temperature (<math>T_p</math>)</b>		8 minutes max.
<b>Do not exceed</b>		260°C



### Product Characteristics

<b>Operating Temperature</b>	-55°C to 125°C
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### Dimensions mm (inches)



### Part Numbering System

<b>Series</b>	<b>0154</b>
<b>AMP Code</b>	<b>001</b>
Refer to Ordering information section on previous page.	
<b>Quantity Code</b>	<b>D</b>
D = 1500 pcs	
<b>Packaging Code</b>	<b>R</b>
R = Tape and Reel	
<b>Type Code</b>	<b>T</b>
T = Time-Lag (Slo-Blo®)	
<b>"L" suffix for Black Color Holder</b>	<b>L</b>
<b>"G" suffix for 451L (Au-Plated Caps)</b>	<b>G</b>

**Example:**  
 1.5 amp Fast-acting product is 0154**01.5**DR.  
 1.5 amp Time-lag product is 0154**01.5**DRT.  
 (1 amp product shown above).

### Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code
Reel Pack	EIA RS-481-2 (IEC 60286-3)	1500	DR

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