

**MINIATURE 0402 SIZE LOW CURRENT LGA  
ACCU-GUARD® THIN FILM FUSE  
F0402G0R12FGNTR**

**FEATURES**

- Accurate current rating
- Fast acting
- Standard 0402 chip size
- Color coded
- Taped and reeled
- RoHS compliant
- UL Approval: E141069

**APPLICATIONS**

- Cellular telephones
- Two-way radios
- Computers
- Battery chargers
- Rechargeable battery packs
- Hard disk drives
- PDA's
- LCD screens
- Digital and Video cameras
- Instrumentation

**TERMINATION**

Nickel/Solder coating compatible with automatic soldering technologies: reflow, wave soldering, vapor phase and manual.

**ELECTRICAL SPECIFICATIONS**

Operating temperature: -55°C to +125°C

Current carrying capacity:

-55°C to -11°C	107% of rating
-10°C to +60°C	100% of rating
+61°C to +100°C	85% of rating
+101°C to +125°C	80% of rating

Rated voltage: 32V

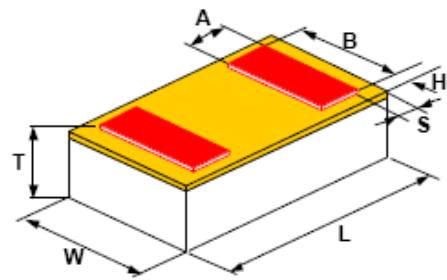
Post-fusing resistance: >1MΩ

**ELECTRICAL CHARACTERISTICS**

Part Number	Current Rating A	Resistance @0.1x I <sub>RATED</sub> Ω (max)	Voltage Drop @ I <sub>RATED</sub> mV (max)	Fusing Current (within 5 sec) A	Pre-Arc I <sup>2</sup> t @10xI <sub>RATED</sub> A <sup>2</sup> -sec (typ)	Color Code
F0402G0R12FNTR	0.125	1.6	250	0.312	1.3 x 10 <sup>-5</sup>	White

**DIMENSIONS mm (inches)**

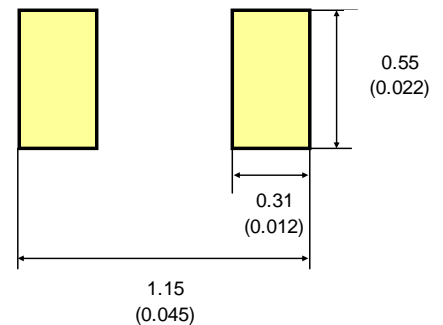
**Bottom View**



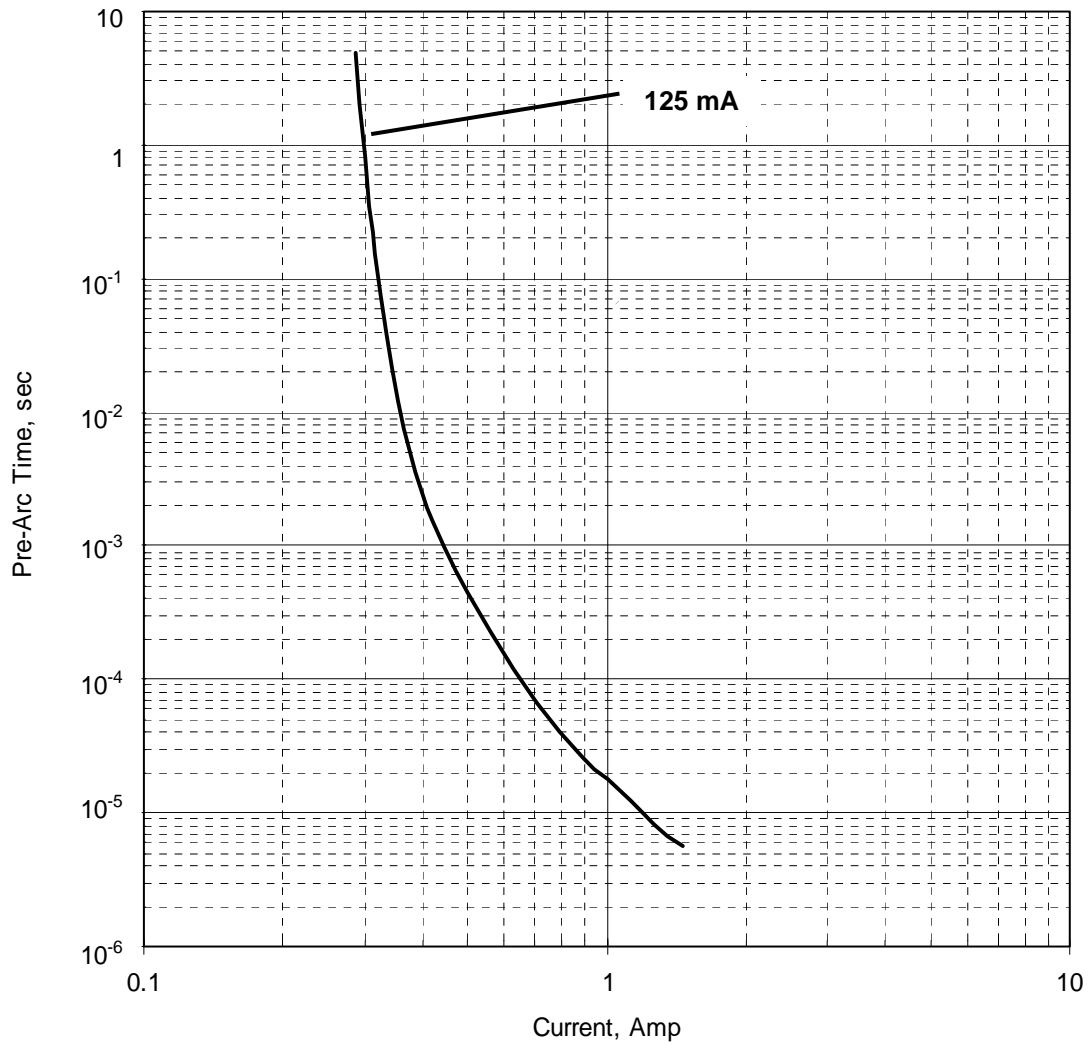
L	1.00±0.05 (0.039±0.002)
W	0.58±0.04 (0.023±0.002)
T	0.35±0.05 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.48±0.05 (0.019±0.002)
S, H	0.05±0.05 (0.002±0.002)

**RECOMMENDED PAD LAYOUT**

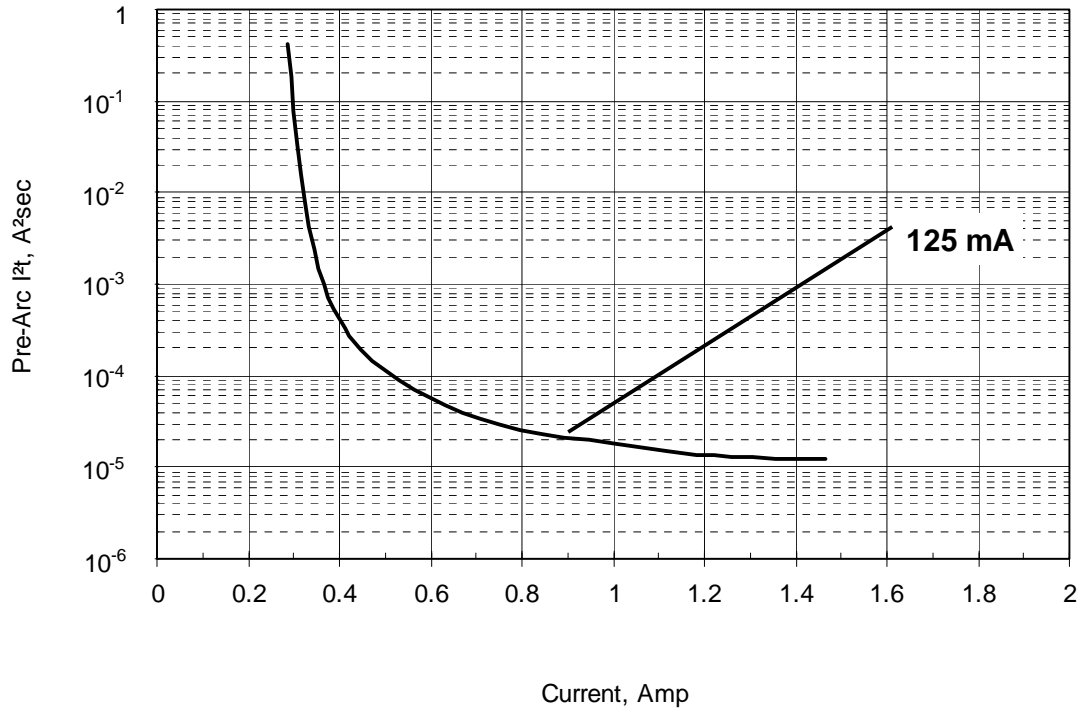
**DIMENSIONS mm (inches)**



**FUSE TIME –CURRENT CHARACTERISTICS**  
**(Typical)**



**FUSE PRE-ARC JOULE INTEGRALS vs. CURRENT**



**FUSE PRE-ARC JOULE INTEGRALS VS.**  
**PRE-ARC TIME**  
**(Typical)**

