

**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.

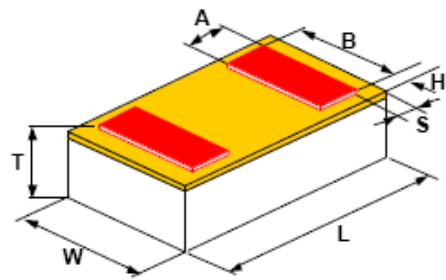
ELECTRICAL SPECIFICATIONS

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

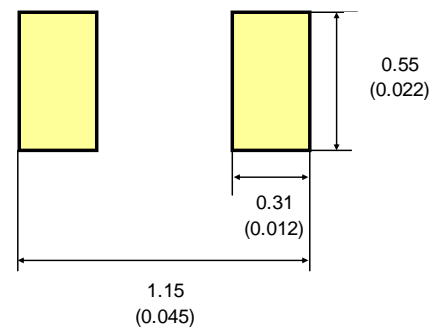
| Part Number | Current Rating A | Resistance @0.1x I _{RATED} Ω (max) | Voltage Drop @ I _{RATED} mV (max) | Fusing Current (within 5 sec) A | Pre-Arc I ² t @10xI _{RATED} A ² -sec (typ) | Color Code |
|----------------|---------------------|---|--|---------------------------------------|---|------------|
| F0402G0R12FNTR | 0.125 | 1.6 | 250 | 0.312 | 1.3 x 10 ⁻⁵ | White |

DIMENSIONS mm (inches)
Bottom View

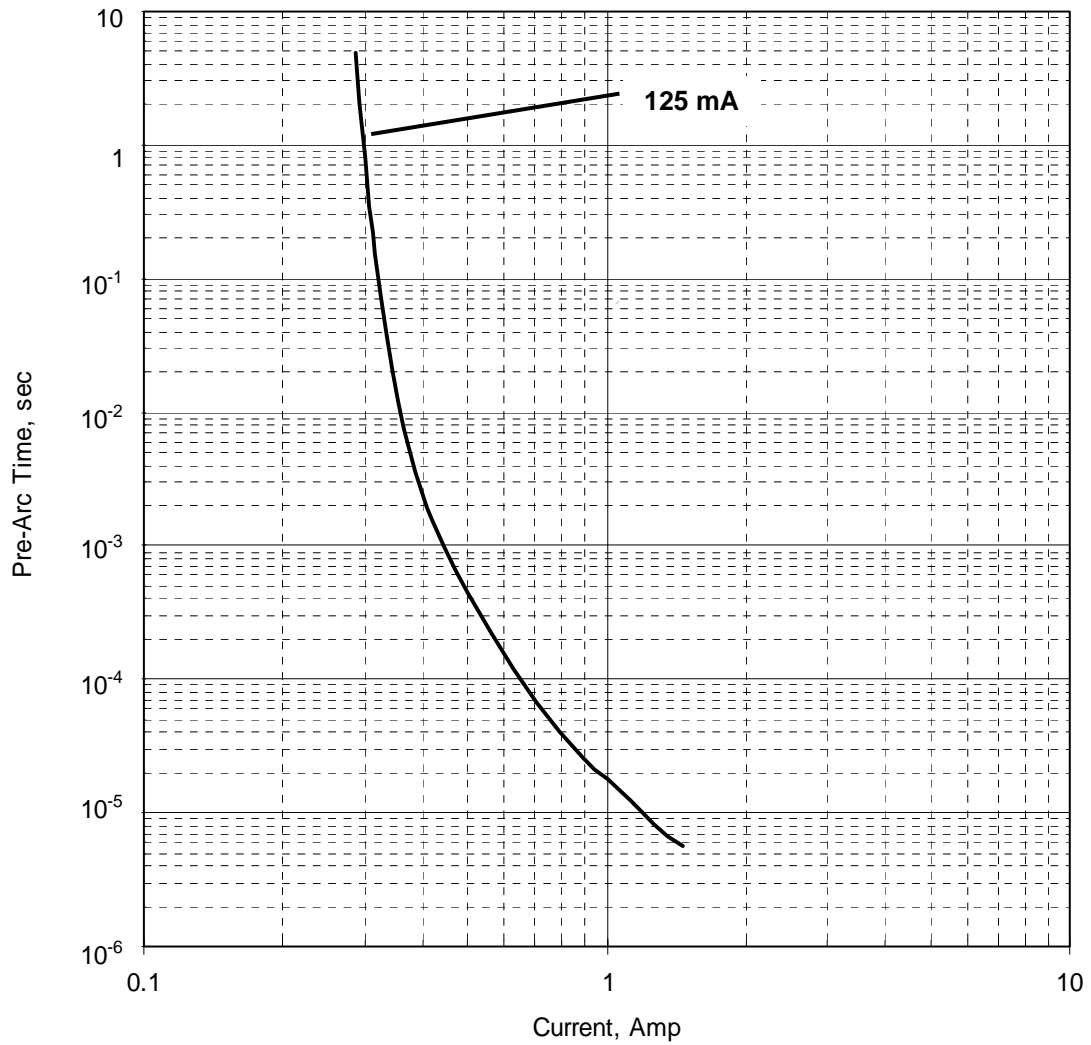


| | |
|------|----------------------------|
| L | 1.00±0.05 (0.039±0.002) |
| W | 0.58±0.04 (0.023±0.002) |
| T | 0.35±0.05 (0.014±0.002) |
| A | 0.20±0.05 (0.008±0.002) |
| B | 0.48±0.05 (0.019±0.002) |
| S, H | 0.05±0.05 (0.002±0.002) |

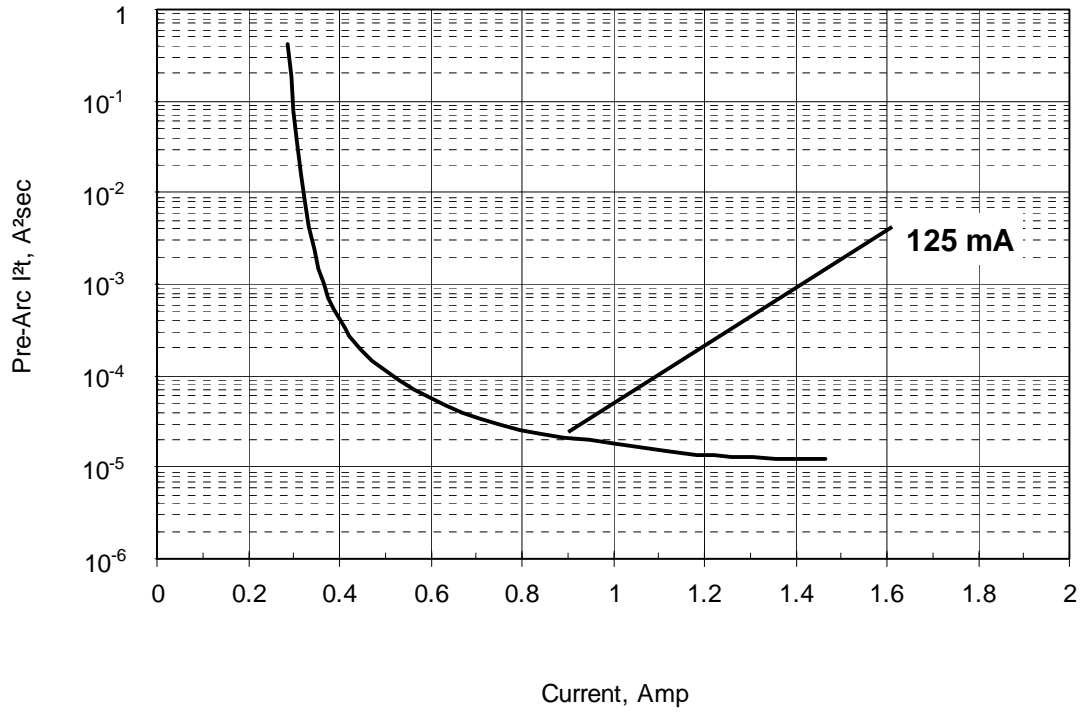
RECOMMENDED PAD LAYOUT
DIMENSIONS mm (inches)



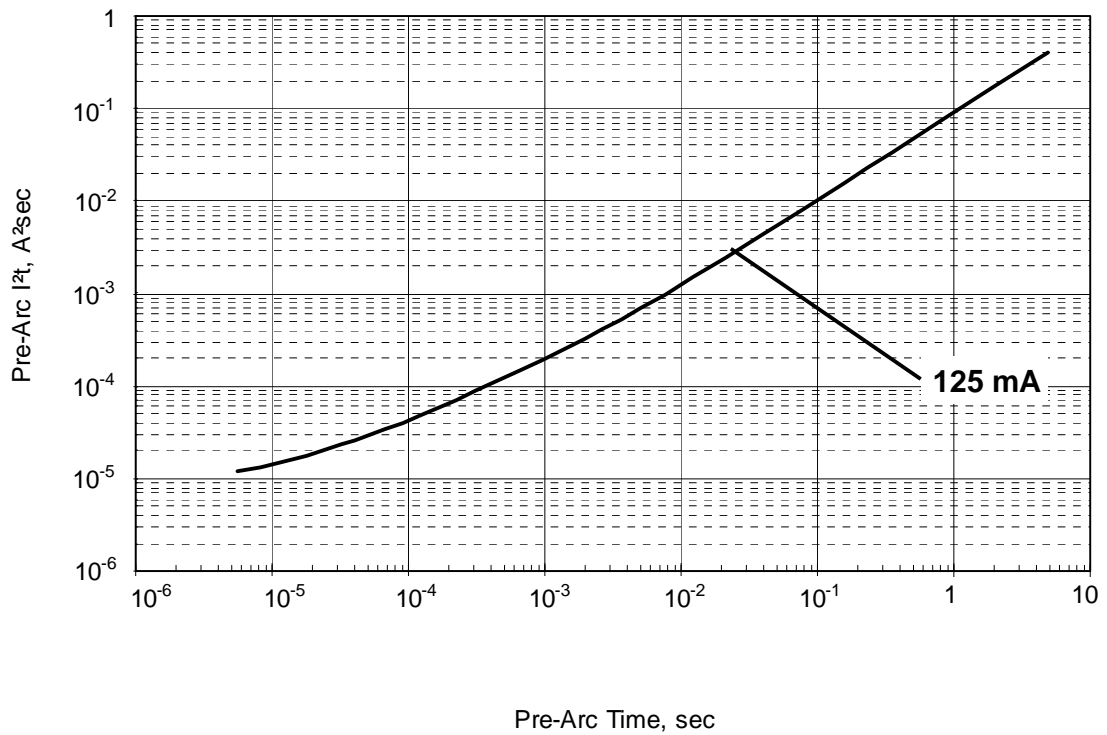
FUSE TIME –CURRENT CHARACTERISTICS
(Typical)



FUSE PRE-ARC JOULE INTEGRALS vs. CURRENT



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



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