

**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

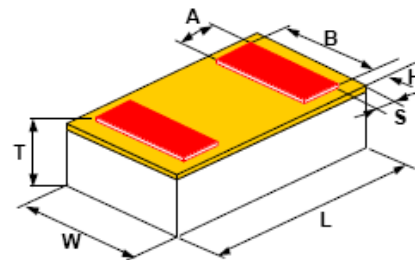
Post-fusing resistance: >1MΩ

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)

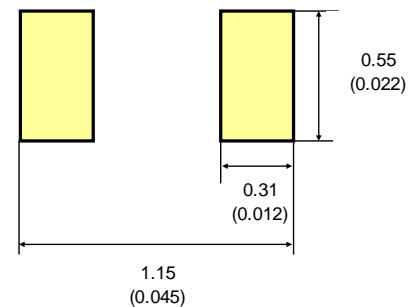
Bottom View



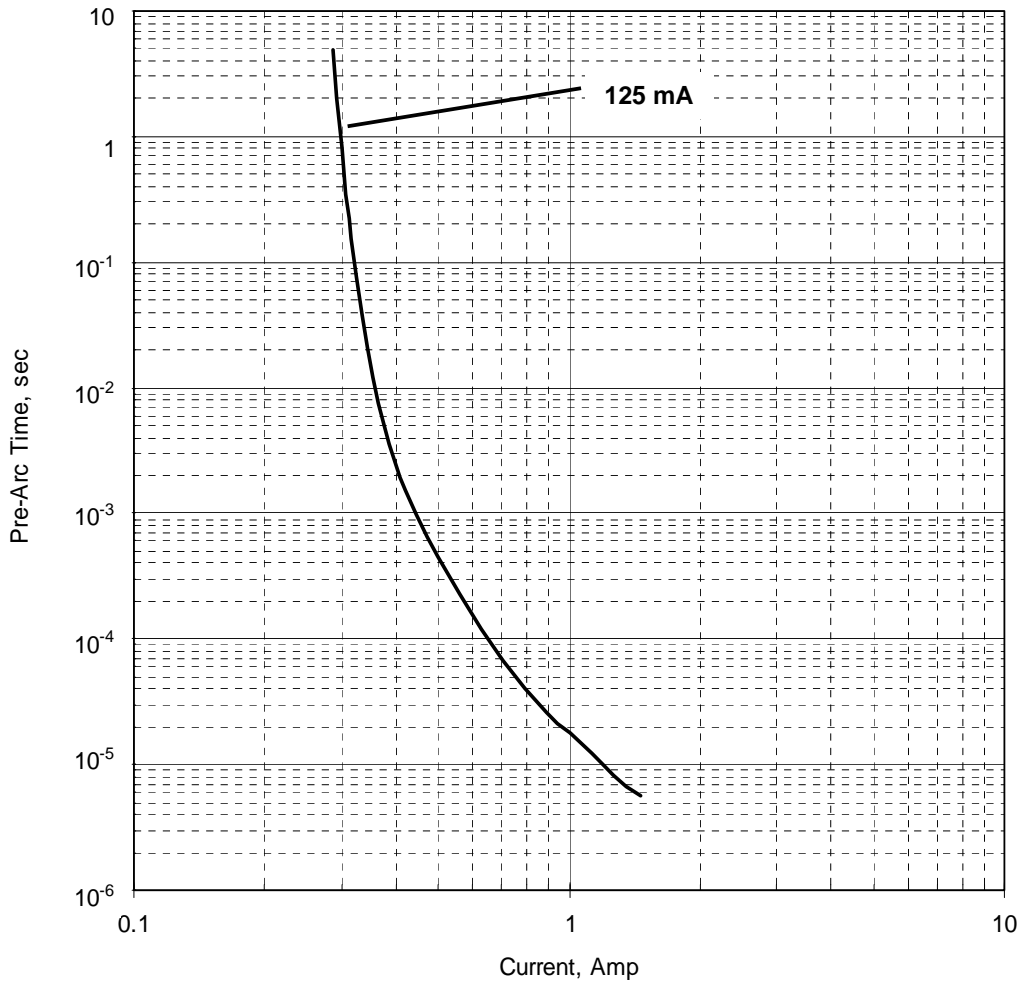
L	1.00±0.05 (0.039±0.002)
W	0.58±0.04 (0.023±0.002)
T	0.35±0.05 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.48±0.05 (0.019±0.002)
S, H	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT

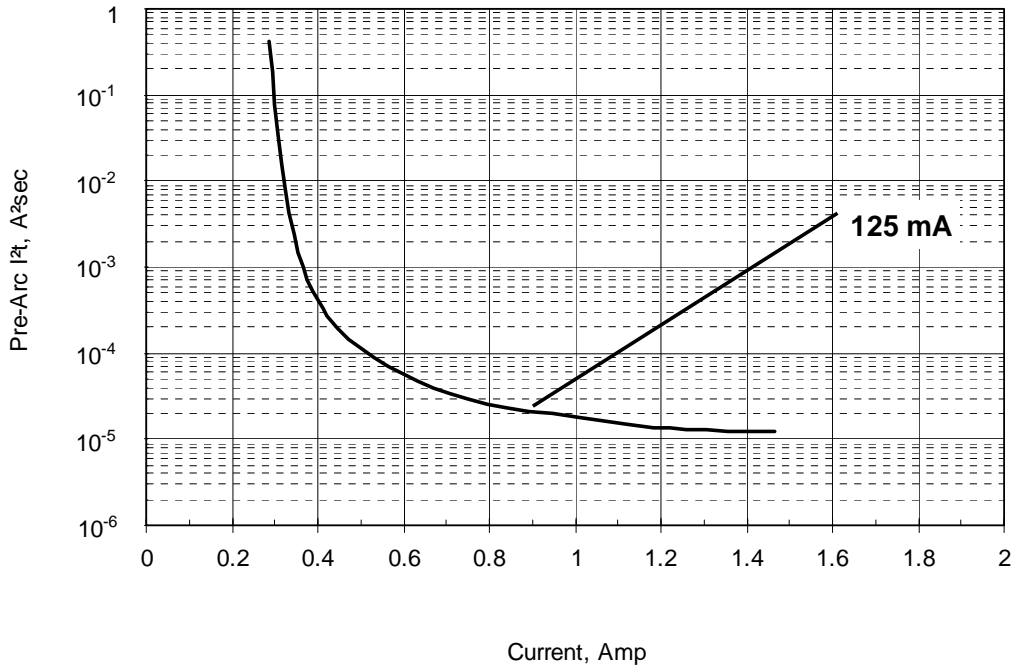
DIMENSIONS mm (inches)



FUSE TIME –CURRENT CHARACTERISTICS
(Typical)



FUSE PRE-ARC JOULE INTEGRALS vs. CURRENT



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

