



**THE DATASHEET OF
F0402G0R12FNTR**



**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

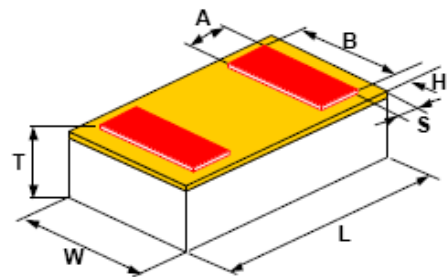
Operating temperature: -55°C to +125°C
 Current carrying capacity:
 -55°C to -11°C 107% of rating
 -10°C to +60°C 100% of rating
 +61°C to +100°C 85% of rating
 +101°C to +125°C 80% of rating
 Rated voltage: 32V
 Post-fusing resistance: >1MΩ

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)

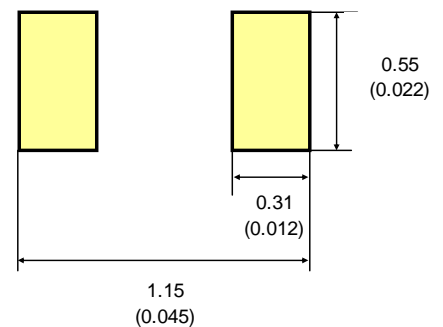
Bottom View



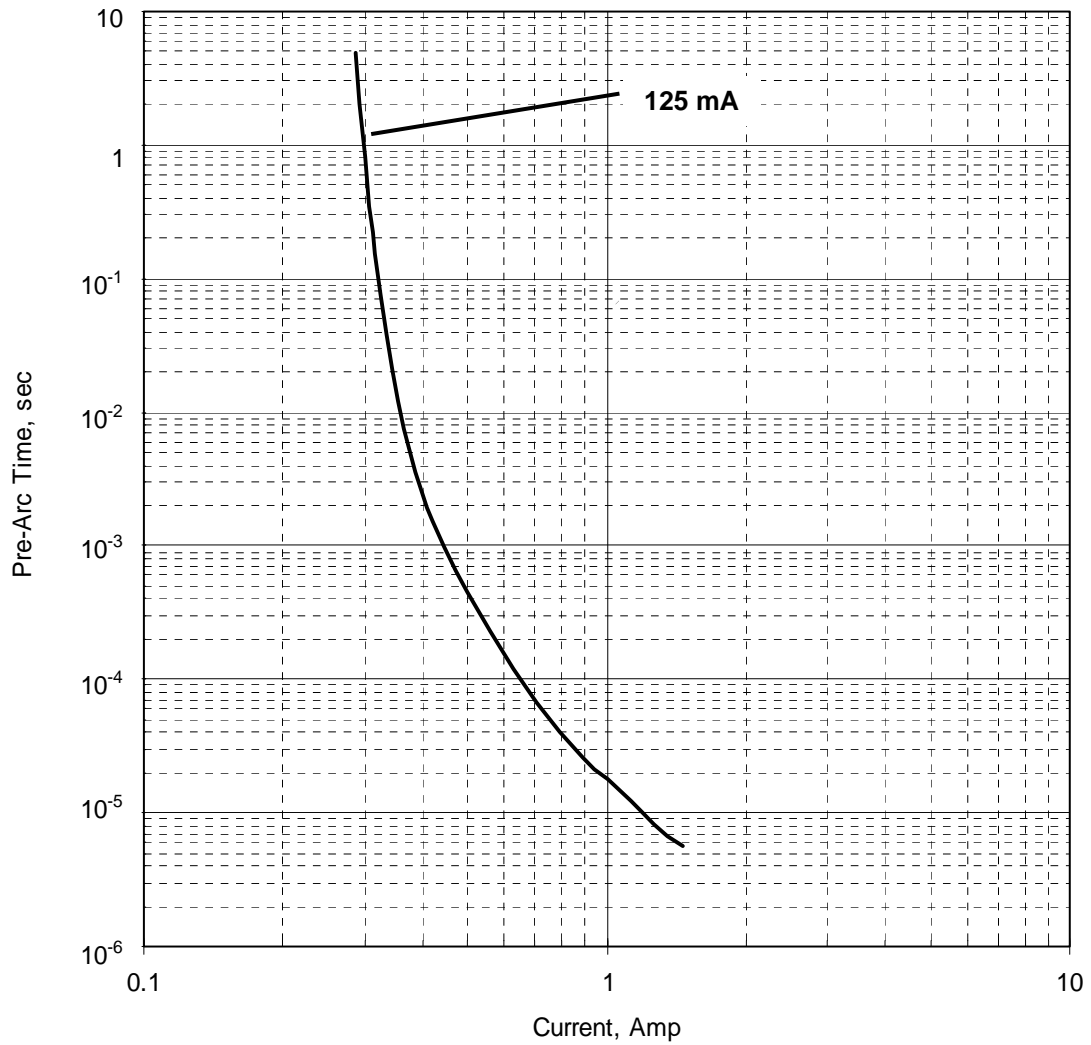
L	1.00±0.05 (0.039±0.002)
W	0.58±0.04 (0.023±0.002)
T	0.35±0.05 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.48±0.05 (0.019±0.002)
S, H	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT

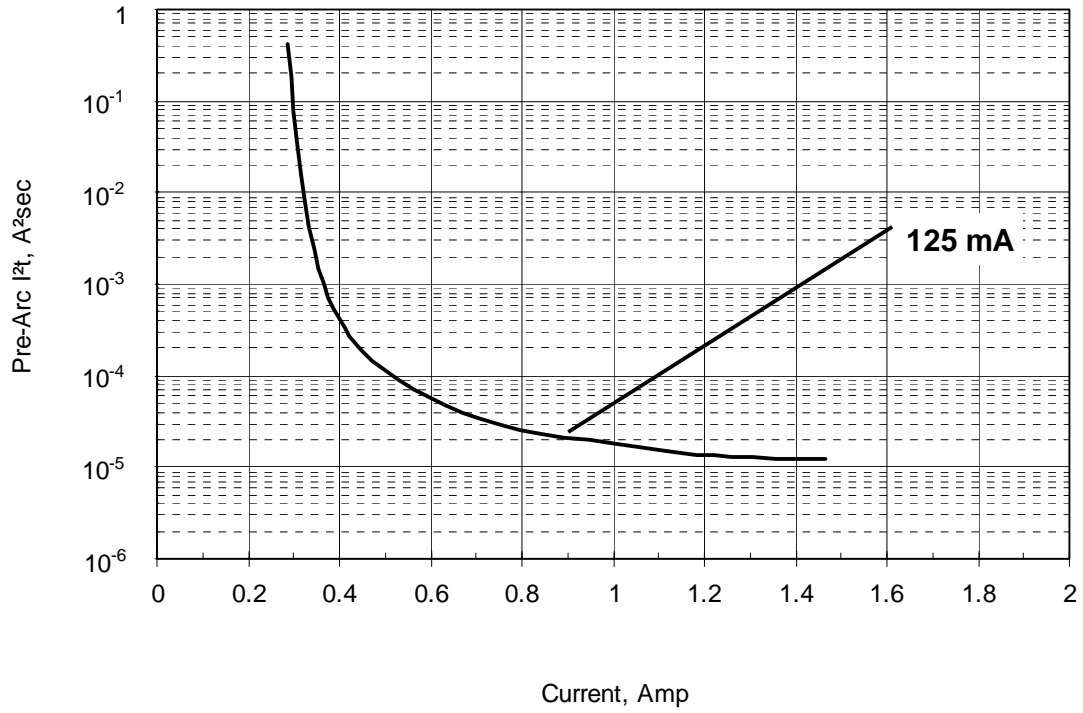
DIMENSIONS mm (inches)



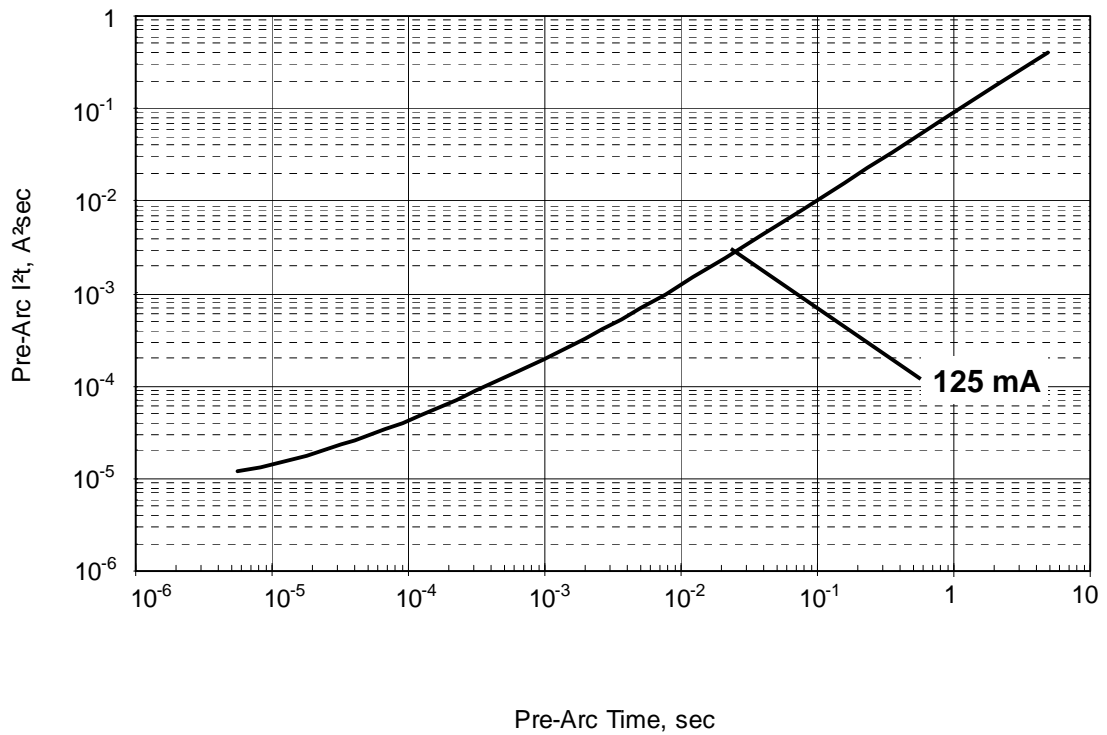
FUSE TIME –CURRENT CHARACTERISTICS
(Typical)



FUSE PRE-ARC JOULE INTEGRALS vs. CURRENT



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



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- ⊖ [AVX Corporation Information](#)

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- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management