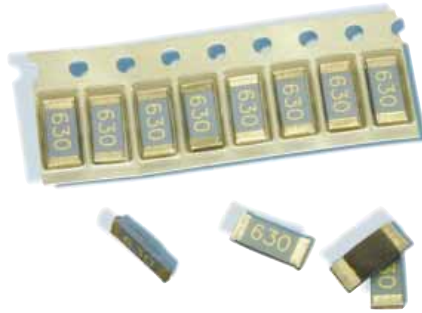
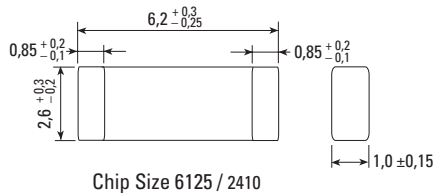


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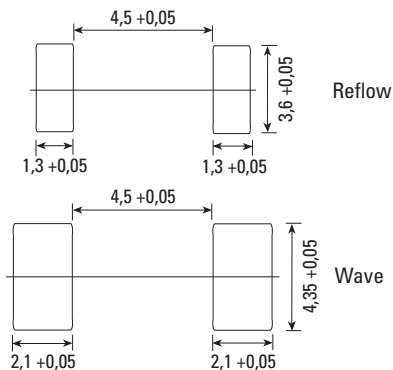


Dimensions (mm)



Pad Layout

Solder the fuse with the marked side facing down



IEC 60127-4, 63V, T

Time-Current Characteristic

Time Lag (T)

Standard

IEC 60127-4 (UMF)

Approvals

VDE: License No. 107794

SEMKO: Certificate No. 9950206/01-05

cULus Recognized: File No. E 67006

Features

Reliable thick film melting element
 Flame resistant ceramic substrate
 Surge tolerant for inductive loads
 Reduced PCB space requirements
 Internationally approved
 Stable thermal characteristics under varying operating temperatures

WebLinks

Data Sheet

www.wickmann.com/products/446.pdf

Approval Certificates

www.wickmann.com/approvals

Time-Current Curve

Page 69

www.wickmann.com/itcurves

Packaging

Page 119

www.wickmann.com/pack

FaxBack Document # 326

Specifications

Packaging

000: Blister Tape (3000 pcs.)

Materials

Housing: Ceramic substrate

Element: Thick film

Terminals: Tinned, metallized

Operating Temperature

-40°C to +85°C (consider de-rating)

Climatic Category

-40°C/+85°C/21 days (IEC 60068-2-1...3)

Stock Conditions

+10°C to +60°C

relative humidity ≤ 75% yearly average,
without dew, maximum value for 30 days- 95%

Vibration Resistance

24 cycles at 15 min. each (IEC 60068-2-6)

10 - 60Hz at 0.75mm amplitude

60 - 2000Hz at 10g acceleration

Solderability

235°C, 2 sec. (IEC 60068-2-58)

Soldering Heat Resistance

260°C, 10 sec. (IEC 60068-2-58)

Recommended Solder Glue

Grace Amicon 125 F

Minimum Cross Section, Copper

Conducting path - 0.1mm²

Thickness - 0.035mm

Mounting

Solder the fuse with the marked side facing down

Avoid circuit traces below the fuse

Marking

Current Rating

Unit Weight

0.09g (approx.)

Limits for Pre-arcing Time

Rated Current	$1.25 \times I_{\text{Rated}}$	$2.0 \times I_{\text{Rated}}$	$10 \times I_{\text{Rated}}$
500mA ... 2.50A	> 1h	< 2min	10ms ... 100ms



Permissible continuous operating current is ≤ 80% at ambient temperature of 23°C (73.4°F).

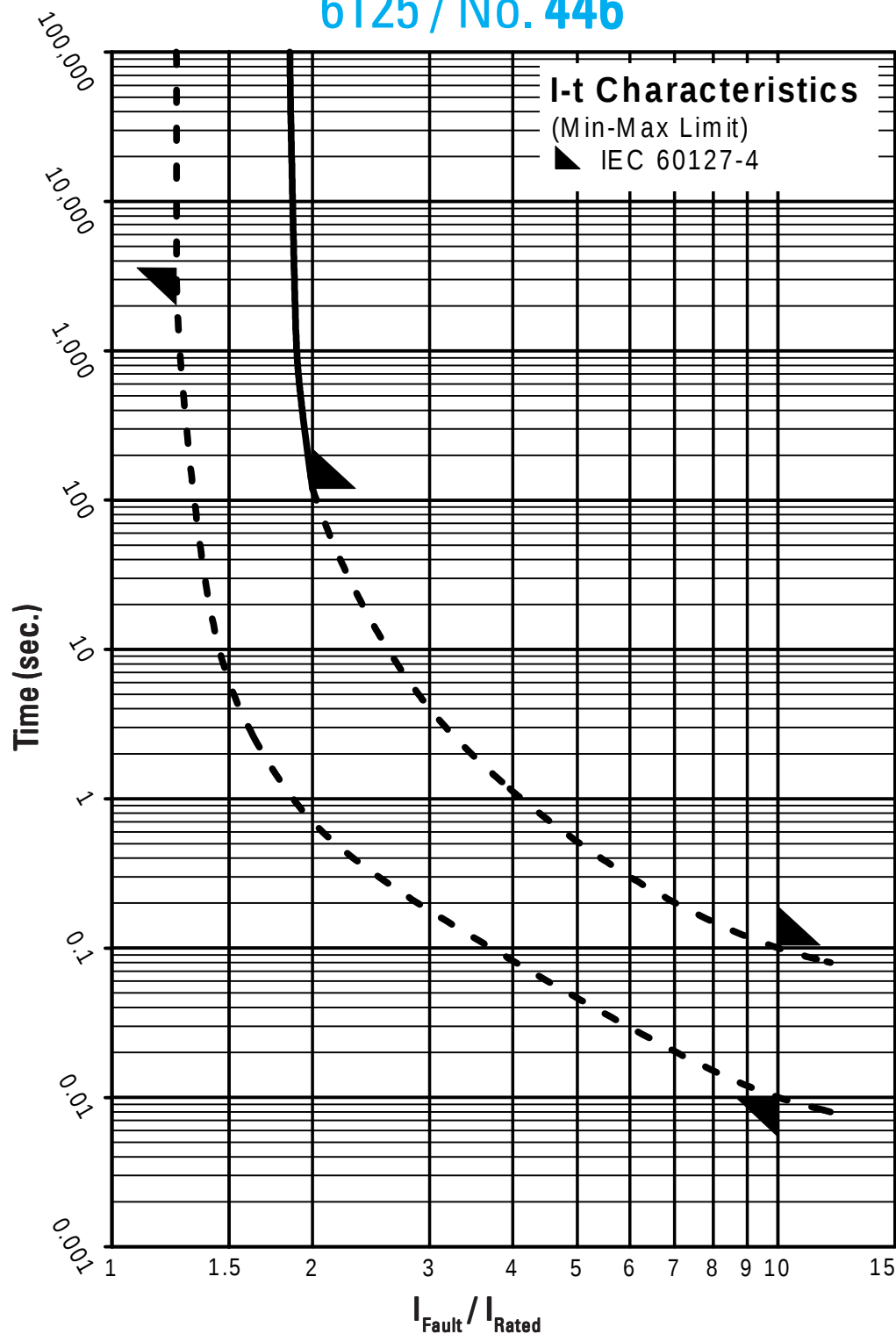
Rated Current	Amp Code	Voltage Rating	Breaking Capacity ¹	Voltage Drop $1.0 \times I_{\text{Rated}}$ typ. (mV)	Power Dissipation $1.25 \times I_{\text{Rated}}$ max. (mW)	Melting Integral $10 \times I_{\text{Rated}}$ min. (A ² s)	Approvals VDE SEMKO cULus
500mA	0500	63V		490	500	0.25	• • •
630mA	0630	63V		450	500	0.4	• • •
800mA	0800	63V	35A/63VAC/DC	345	500	0.64	• • •
1.00A	1100	63V	50-60Hz	245	500	1	• • •
2.00A	1200	63V	cos φ = 1.0	210	1000	4	• • •
2.50A	1250	63V		210	1000	6.25	• • •

¹ Changes of the lacquer coat up to 1mm² are possible (2.00A and 2.50A).

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		446		

6125 / No. 446



Contact WICKMANN for individual I-t curves