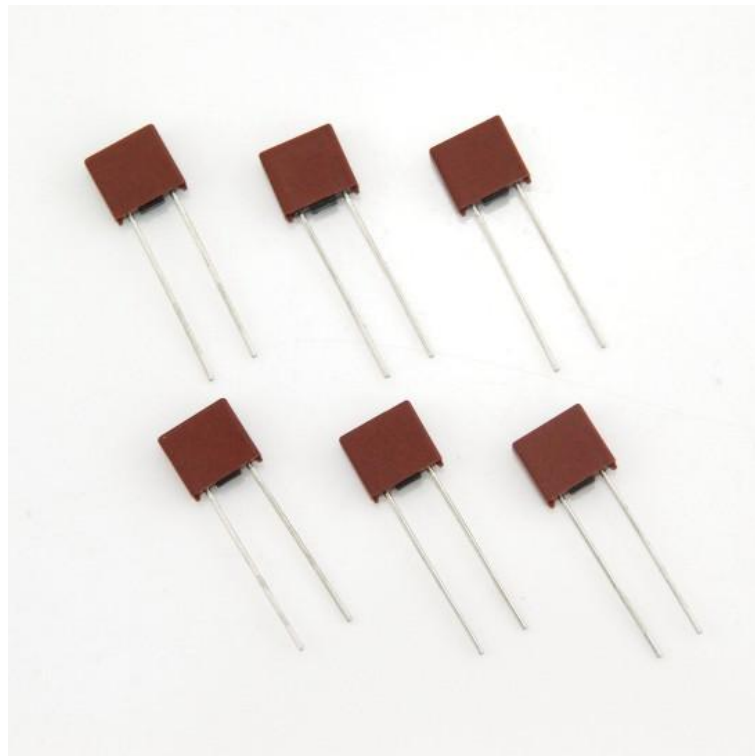


VDK 熔断保险丝

VDK FUSED FUSE



优良品质 · 诚信经营

一起携手 · 共创辉煌

VDKS Series, Fast-Acting Fuse

产品简介
DESCRIPTION

The VDKS Series are , sub-miniature, fast-acting type, 250V rated fuses, designed in accordance to IEC 60127-3.


产品特征
FEATURES

- Reduced PCB space requirements
- Direct solderable or plug-in versions
- Internationally approved
- Low internal resistance
- Shock safe casing
- Vibration resistant
- Halogen free
- Lead-free
- Available from 40mA to 6.3A

产品应用
APPLICATIONS

- Battery Chargers
- Consumer Electronics
- Power supplies
- Industrial Controllers


机构认证
AGENCY APPROVALS

Agency	Agency file number	Ampere Range
	E486200	40mA ~ 6.3A

电气特点
ELECTRICAL CHARACTERISTICS FOR SERIES

% of Ampere	Opening Time
150%	1 Hour, Min.
210%	30 Minutes, Max.
275%	10 ms, Min.; 3 Sec., Max.
400%	3 ms, Min.; 300 ms., Max.
1000%	20 ms, Max.

性能规格
PERFORMANCE SPECIFICATIONS

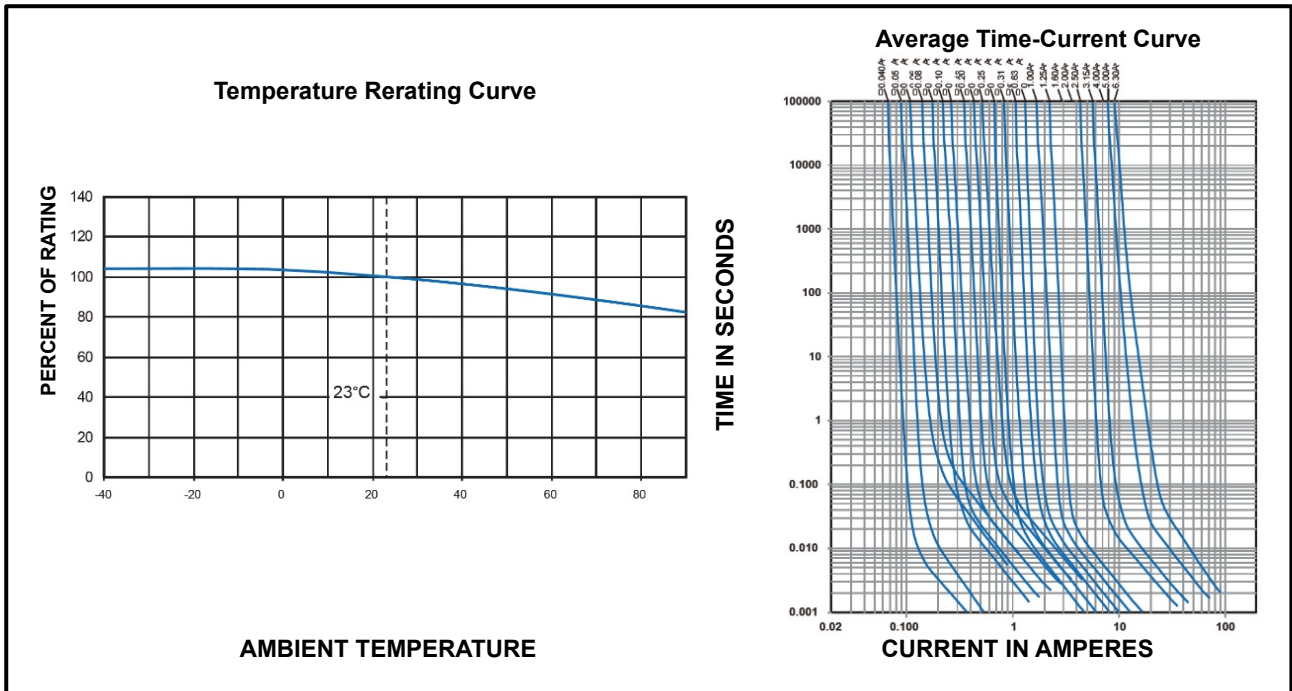
Amp Code	Rated Current	Voltage Rating	Breaking Capacity	Voltage Drop 1.0×IN max. (mV)	Power Dissipation 1.5×IN max. (mW)	Melting Integral 10×IN min. (A ² s)	Agency Approvals
							
0040	40mA	250 V	35A/250VAC ¹ 50-60Hz cos φ=1.0	900	100	0.0002	X
0050	50mA	250 V		320	80	0.00035	X
0063	63mA	250 V		350	100	0.0005	X
0080	80mA	250 V		370	120	0.0014	X
0100	100mA	250 V		600	130	0.0038	X
0125	125mA	250 V		550	172	0.0066	X
0160	160mA	250 V		500	165	0.014	X
0200	200mA	250 V		465	190	0.03	X
0250	250mA	250 V		400	250	0.051	X
0315	315mA	250 V		380	250	0.1	X
0400	400mA	250 V		120	135	0.025	X
0500	500mA	250 V		120	155	0.042	X
0630	630mA	250 V		115	200	0.076	X
0800	800mA	250 V		120	310	0.12	X
1100	1.00A	250 V		110	310	0.2	X
1125	1.25A	250 V		100	360	0.31	X
1160	1.60A	250 V		100	600	0.53	X
1200	2.00A	250 V		85	500	0.98	X
1250	2.50A	250 V		80	660	1.8	X
1315	3.15A	250 V		90	950	3.1	X
1400	4.00A	250 V	80	920	6.7	X	
1500	5.00A	250 V	80	1000	12.00	X	
1630	6.30A*	250 V	70	1200	24.00	X	

1 Per UL, approved breaking capacity is 50 A at 250V.

* Conducting path min. 0.2 mm²

G = Expert Report pending

Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

环境特性
ENVIRONMENTAL CHARACTERISTIC

焊接参数
SOLDERING PARAMETERS

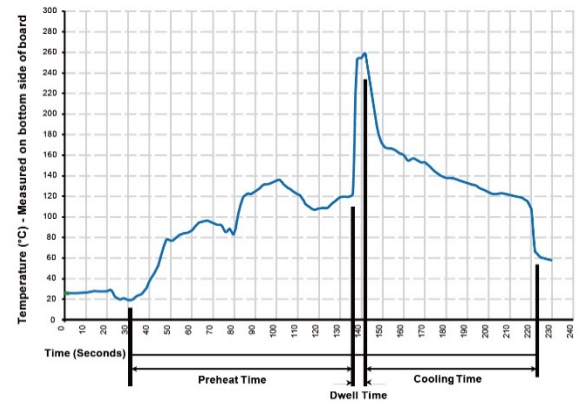
Recommended Process Parameters:

Wave Parameter	Lead-Free Recommendation
Preheat: (Depends on Flux Activation Temperature)	(Typical Industry Recommendation)
Temperature Minimum:	100°C
Temperature Maximum:	150°C
Preheat Time:	60~180 seconds
Solder Pot Temperature:	260°C Maximum
Solder Dwell Time:	2~5 seconds

Recommended Hand-Solder Parameters:

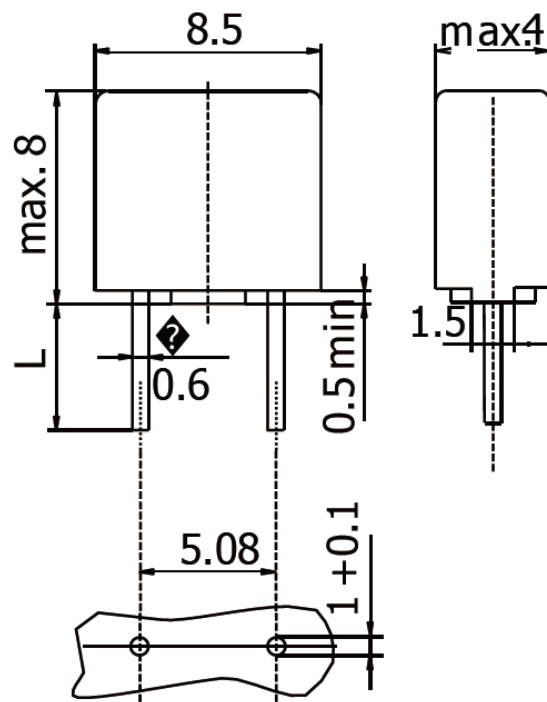
Solder Iron Temperature: 350°C +/- 5°C
 Heating Time: 5 seconds max.

Note: These devices are not recommended for IR or Convection Reflow process.

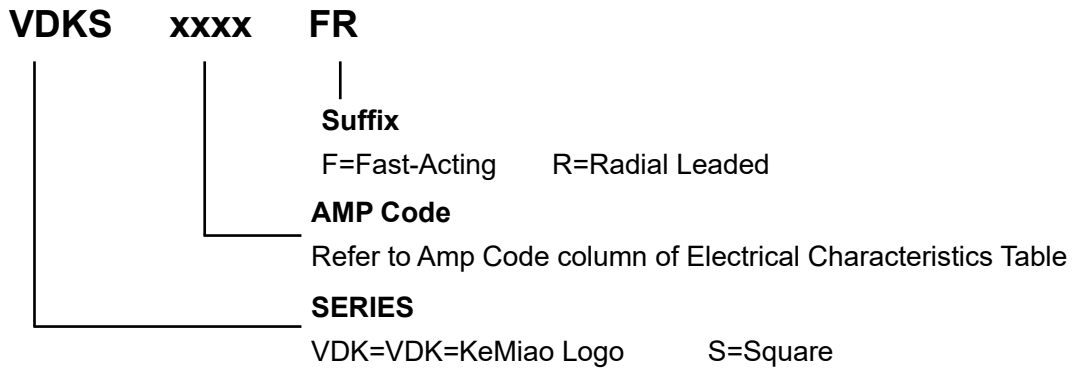


产品特性
PRODUCT CHARACTERISTICS

Materials	Base/Cap: Brown Thermoplastic Polyamide PA 6.6, UL94V-0 Round Pins: Copper, Tin-plated
Lead Pull Strength	10 N (EN 60068-2-21)
Solderability	260°C, ≤3s. (Wave) 350°C, ≤1s. (Soldering Iron)
Soldering Heat Resistance	260°C, 10s. (IEC 60068-2-20) 350°C, 3s. (Soldering Iron)
Operating Temperature	-40°C to +85°C (consider de-rating)
Climatic Category	-40°C to +85°C /21 days (EN 60068-1, -2-1, -2-2, -2-78)
Stock Conditions	+ 10°C to +60°C RH ≤ 75% yearly average, without dew, maximum value for 30 days-95%
Vibration Resistance	24 cycles at 15 min. each (EN 60068-2-6) 10 - 60 Hz at 0.75 mm amplitude 60 - 2000 Hz at 10G acceleration

外型尺寸
DIMENSIONS


Holes in PCB
 Long Leads (L=18.8mm)
 Short Leads (L=4.3mm)

产品编号
PART NUMBERING SYSTEM

包装规格
PACKING

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Quantity & Packaging Code
VDKS Series				
Tape & Ammopack	N/A	1,400	N/A	N/A
Short Leads	N/A	1,400	N/A	N/A