帝科微 DIKEWEI

深圳市帝科微电子有限公司

DIKEWEI ELECTRONICS TECHNOLOGY., TLD. SHENZHEN

VDK 熔断保险丝

VDK FUSED FUSE

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www.dikewei.cn

VDKC1206TS TIME-LAG FUSE

DESCRIPTION

VDKC1206TS Series are the fuses set the industry standard for performance, reliability and quality. The solder-free design provides excellent on-off and temperature cycling characteristics during use and also makes our SMD fuses more heat and shock tolerant than typical subminiature fuses.

FEATURES

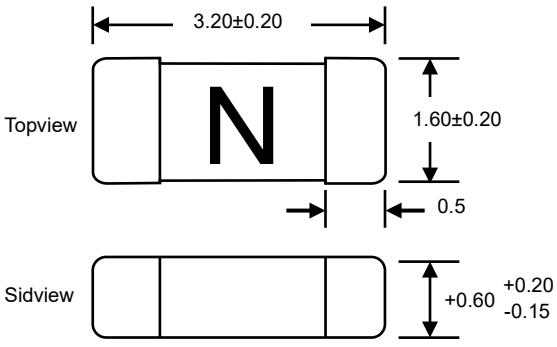
- High inrush current withstanding capability
- Compatible with reflow and wave solder
- Ceramic and glass construction
- Excellent environmental integrity
- One time positive disconnect
- Lead Free and Halogen free material

ELECTRICAL CHARACTERISTICS

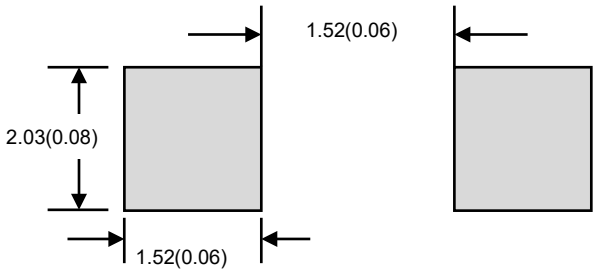
Rated Current	1.0In	2.0In	2.5In	3.0In	3.5In	10.0In
0.75A~3A	4 hourmin.	1 sec - 60sec	5sec max.	0.1sec-3sec	-	0.2ms-20ms
3.5A~5A	4 hourmin.	-	5sce max.	0.1sec-3sec	-	0.2ms-20ms
7A~30A	4 hourmin.	-	-	-	5sec max.	0.2ms-10ms

DIMENSIONS

Drawing not to scale (Unit: mm/inch)



Recommended land pattern Unit: mm(inch)



AGENCY APPROVALS

AGENCY	AGENCY FILE NUMBER
	E486200

PERFORMANCE SPECIFICATIONS

Part No.	Rated Voltage DC(V)	Rated Current (A)	Breaking Capacity[1]	Typical Cold. Resistance (mOhms)[2]	Typical Voltage Drop (mV)	Typical PreArcing I^2t (A^2Sec)[3]	Aplha Marking
VDKC1206-0250TS	72 63 32 24	0.25	50A@72Vdc 50A@63Vdc 150A@32Vdc 300A@24Vdc	3608	1407	0.0004	.25
VDKC1206-0375TS		0.375		1882	718	0.0008	E
VDKC1206-0500TS		0.50		1028	650	0.0019	B
VDKC1206-0750TS		0.75		601	616	0.0057	.75
VDKC1206-1100TS		1.0		490	510	0.10	H
VDKC1206-1150TS		1.5		240	367	0.15	K
VDKC1206-1200TS		2.0		132	316	0.41	N
VDKC1206-1250TS		2.5		77	240	0.65	O
VDKC1206-1300TS		3.0		48	187	1.39	P
VDKC1206-1350TS		3.5		40	180	1.68	R
VDKC1206-1400TS		4.0		35	173	1.73	S
VDKC1206-1450TS	32 24	4.5	150A@32Vdc 300A@24Vdc	30	164	2.62	X
VDKC1206-1500TS		5.0		25	141	2.89	T
VDKC1206-1600TS		6.0		16.5	142	11.0	F
VDKC1206-1700TS		7.0		12	140	12.5	7
VDKC1206-1800TS	24 32	8.0	150A@32Vdc 300A@24Vdc	8.5	110	14.0	M
VDKC1206-2100TS		10		6.8	100	20.0	U
VDKC1206-2120TS		12		5.0	85	11.5	12
VDKC1206-2150TS		15		3.9	78	16.5	15
VDKC1206-2200TS		20		1.8	60	47.17	20
VDKC1206-2250TS		25		1.6	90	60	L
VDKC1206-2300TS		30		1.3	90	100	Z
VDKC1206-2400TS	32 24	40	200A@32Vdc 200A@24Vdc	0.85	95	160	XL

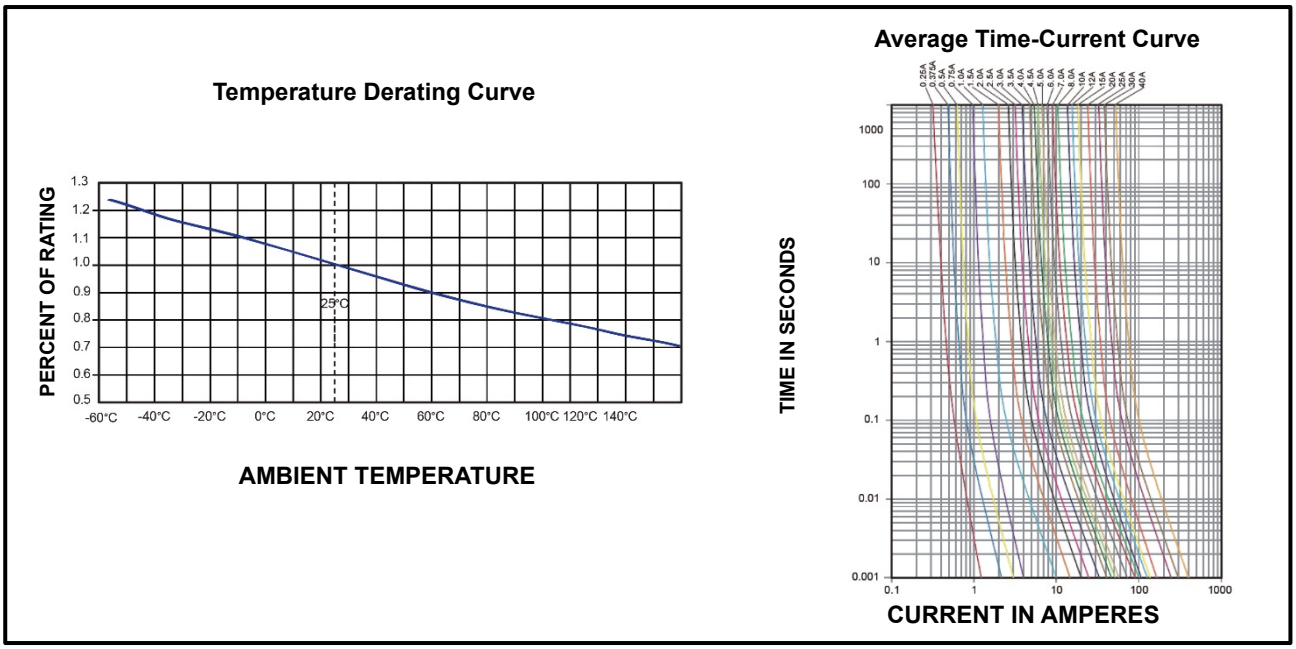
* DC Interrupting Rating (Measured at rated voltage, time constant of less than 50 microseconds, battery source)

* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25°C

* Typical Pre-arching I^2t are measured at 10In Current

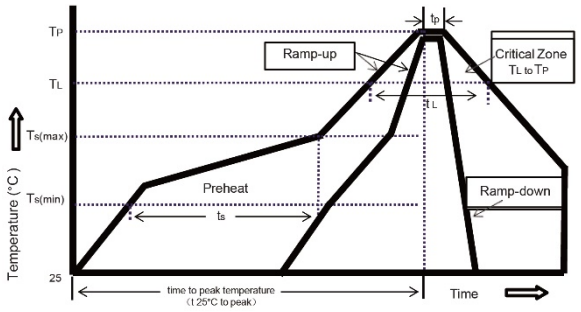
ENVIRONMENTAL CHARACTERISTIC

- Normal ambient temperature: 23+/-3°C
- Operating temperature: -55 ~ 150°C, with proper correction factor applied



SOLDERING PARAMETERS

Profile Feature		Lead(Pb) free solder
Preheat and soak	-Temperature min (T_{smin})	150°C
	-Temperature max (T_{smax})	200°C
	-Time (T_{smin} to T_{smax}) (ts)	60~120 Secs
Average ramp up rate T_{smax} to T_P		3°C/Secs Max
Liquidous temperature (T_L) Time at liquidous (t_L)		217°C 60~150 Secs
Peak package body temperature (T_p)		260°C
Time (t_p) within 5°C of the specified calssification temperature (T_C)		30 Secs
Average ramp-down rate (T_P to T_{smax})		6°C/Secs Max
Time (25°C to Peak Temperature)		8 Minutes Max

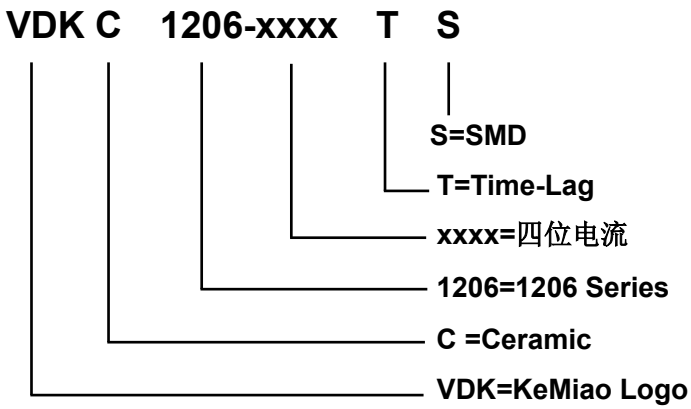


Soldering Method		Parameter
Wave solder	Reservoir temperature	260°C
	Time in reservoir	10 Secs max
Infrared reflow	Temperature	260°C
	Time	30 Secs max

PACKING

No.	Quantity &Packaging Code
VDKC1206TS	3000 fuses/reel 8mm tape-and-reel on a 7 inch (178mm) reel per EIA Standard 481

PART NUMBERING SYSTEM



OTHERS

- If in use beyond the requirements of the specifications, must pass through the mutual confirmation!
- If the specification is not appropriate, must through consultation between the two sides and by the company to modify.
- It could be in conformance with another file which made by our company.