



Product Service

CERTIFICATE

No. B 105791 0002 Rev. 00

Holder of Certificate: Fujian Qiaoguang Electronic Technology Co., Ltd.

No.21, Dayang Road, Xiyuan Town
361000 Zhangping City, Fujian Province
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: Varistor

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 64105253024901

Valid until: 2030-04-16

Date, 2025-04-17

(Martin Ma)

CERTIFICATE

No. B 105791 0002 Rev. 00

Model(s): FTR14DaaaK#A#, FTR14DaaaK#FB#, FTR25DaaaK#

FTR14D aaa K # A #
 I II

I. Nominal varistor voltage. aaa may be
 151, 181, 201, 221, 241, 271, 301, 331, 361, 391,
 431, 471, 511, 561, 621, 681, 751, 781, 821, 911,
 102, 112, 122.

For example, 151 denote for $15 \times 10^1 = 150V$.

II. Business code. # may be letter, number or “-”
 separator or blank multi-character combinations.

FTR14D aaa K # FB #
 I II III

I. Nominal varistor voltage. aaa may be
 471, 511, 561, 621, 681.

For example, 471 denote for $47 \times 10^1 = 470V$.

II. Blast resistant construction.

III. Business code. # may be letter, number or “-”
 separator or blank multi-character combinations.

FTR25D aaa K #
 I II

I. Nominal varistor voltage. aaa may be
 181, 201, 221, 241, 271, 301, 331, 361, 391, 431,
 471, 511, 561, 621, 681, 751, 781, 821, 911, 102,
 112, 122, 142, 162, 182.

For example, 182 denote for $18 \times 10^2 = 1800V$.

II. Business code. # may be letter, number or “-”
 separator or blank multi-character combinations.

Parameters:

Insulation voltage:	AC2500V
Maximum continuous voltage:	See below pages
Leakage current:	See below pages
Nominal varistor voltage:	See below pages
Reference current:	See below pages
Clamping Voltage:	See below pages
Class current (8/20 μs):	FTR14D series: 50A; FTR25D series: 150A
Maximum peak current (8/20 μs):	See below pages
Climatic category:	40/125/42
Flame class:	V-0



CERTIFICATE

No. B 105791 0002 Rev. 00

Tested according to: IEC 61051-1:2018
IEC 61051-2:2021
IEC 61051-2-2:1991

CERTIFICATE

No. B 105791 0002 Rev. 00

Electrical Rating table

Type	Maximum continuous voltage(V)		Leakage Current (μ A) (Max.)	Nominal varistor voltage (V)	Reference current (mA)	Clamping Voltage (Max. V)	Maximum Peak Current (A)		Energy 10/1000 μ s (Max.)	Capacitance (Typical) pF
	A.C	D.C	I_L	V_N	I_R	V_C	8/20 μ s		J	C
							1 time	10 time		
FTR14D151K#A#	95	125	≤ 20	150	150	250	6000	3000	53	1700
FTR14D181K#A#	115	150	≤ 20	180	180	300	6000	3000	60	1100
FTR14D201K#A#	130	170	≤ 20	200	200	340	6000	3000	70	1000
FTR14D221K#A#	140	180	≤ 20	220	220	360	6000	3000	78	900
FTR14D241K#A#	150	200	≤ 20	240	240	395	6000	3000	84	830
FTR14D271K#A#	175	225	≤ 20	270	270	455	6000	3000	99	740
FTR14D301K#A#	190	250	≤ 20	300	300	500	6000	3000	108	670
FTR14D331K#A#	210	275	≤ 20	330	330	550	6000	3000	115	610
FTR14D361K#A#	230	300	≤ 20	360	360	595	6000	3000	130	560
FTR14D391K#A#	250	320	≤ 20	390	390	650	6000	3000	140	510
FTR14D431K#A#	275	350	≤ 20	430	430	710	6000	3000	155	460
FTR14D471K#A#	300	385	≤ 20	470	470	775	6000	3000	175	430
FTR14D511K#A#	320	415	≤ 20	510	510	845	6000	3000	180	390
FTR14D561K#A#	350	460	≤ 20	560	560	925	6000	3000	185	360
FTR14D621K#A#	385	505	≤ 20	620	620	1025	6000	3000	190	320
FTR14D681K#A#	420	560	≤ 20	680	680	1120	6000	3000	200	290
FTR14D751K#A#	460	615	≤ 20	750	750	1240	6000	3000	210	270
FTR14D781K#A#	485	640	≤ 20	780	780	1290	6000	3000	220	260
FTR14D821K#A#	510	670	≤ 20	820	820	1355	6000	3000	235	240
FTR14D911K#A#	550	745	≤ 20	910	910	1500	6000	3000	255	220
FTR14D102K#A#	625	825	≤ 20	1000	1000	1650	6000	3000	280	200
FTR14D112K#A#	680	895	≤ 20	1100	1100	1815	6000	3000	310	180
FTR14D122K#A#	750	990	≤ 20	1200	1200	1980	6000	3000	324	170
FTR14D471K#FB#	300	385	≤ 20	470	470	775	6000	3000	175	430
FTR14D511K#FB#	320	415	≤ 20	510	510	845	6000	3000	180	390
FTR14D561K#FB#	350	460	≤ 20	560	560	925	6000	3000	185	360
FTR14D621K#FB#	385	505	≤ 20	620	620	1025	6000	3000	190	350
FTR14D681K#FB#	420	560	≤ 20	680	680	1120	6000	3000	200	340
FTR25D181K#	115	150	≤ 35	180	180	300	18000	10000	175	3500
FTR25D201K#	130	170	≤ 35	200	200	340	18000	10000	190	3200
FTR25D221K#	140	180	≤ 35	220	220	360	18000	10000	200	2900
FTR25D241K#	150	200	≤ 35	240	240	395	18000	10000	220	2650
FTR25D271K#	175	225	≤ 35	270	270	455	18000	10000	255	2400
FTR25D301K#	190	250	≤ 35	300	300	500	18000	10000	275	2100
FTR25D331K#	210	275	≤ 35	330	330	550	18000	10000	300	1900

CERTIFICATE

No. B 105791 0002 Rev. 00

FTR25D361K#	230	300	≤35	360	360	595	18000	10000	330	1750
FTR25D391K#	250	320	≤35	390	390	650	18000	10000	360	1600
FTR25D431K#	275	350	≤35	430	430	710	18000	10000	380	1500
FTR25D471K#	300	385	≤35	470	470	775	18000	10000	400	1400
FTR25D511K#	320	415	≤35	510	510	845	18000	10000	420	1250
FTR25D561K#	350	460	≤35	560	560	925	18000	10000	440	1150
FTR25D621K#	385	505	≤35	620	620	1025	18000	10000	450	1050
FTR25D681K#	420	560	≤35	680	680	1120	18000	10000	460	950
FTR25D751K#	460	615	≤35	750	750	1240	18000	10000	510	850
FTR25D781K#	485	640	≤35	780	780	1290	18000	10000	530	800
FTR25D821K#	510	670	≤35	820	820	1355	18000	10000	570	750
FTR25D911K#	550	745	≤35	910	910	1500	18000	10000	620	700
FTR25D102K#	625	825	≤35	1000	1000	1650	18000	10000	685	650
FTR25D112K#	680	895	≤35	1100	1100	1815	18000	10000	720	600
FTR25D122K#	750	990	≤35	1200	1200	1980	18000	10000	792	550
FTR25D142K#	880	1140	≤35	1400	1400	2310	18000	10000	850	500
FTR25D162K#	1000	1280	≤35	1600	1600	2640	18000	10000	970	450
FTR25D182K#	1100	1465	≤35	1800	1800	2970	18000	10000	1092	400