



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO.: CQC19001213590

Valid from: Feb.06,2024

Valid until:long-term

NAME AND REGISTERED ADDRESS OF THE APPLICANT GUANGDONG FENGHUA ADVANCED TECHNOLOGY HOLDING CO.,LTD. XIANHUA NEW SENSITIVE COMPONENTS BRANCH
3 workshop 2 floor,Fenghua Electronic Industrial City,No.18 Fenghua Road, Duanzhou District,Zhaoqing city,Guangdong province China

NAME AND REGISTERED ADDRESS OF THE MANUFACTURER GUANGDONG FENGHUA ADVANCED TECHNOLOGY HOLDING CO.,LTD. XIANHUA NEW SENSITIVE COMPONENTS BRANCH
3 workshop 2 floor,Fenghua Electronic Industrial City,No.18 Fenghua Road, Duanzhou District,Zhaoqing city,Guangdong province China

NAME AND LOCATION OF THE FACTORY GUANGDONG FENGHUA ADVANCED TECHNOLOGY HOLDING CO.,LTD. XIANHUA NEW SENSITIVE COMPONENTS BRANCH
3 workshop 1-2 floor,Fenghua Electronic Industrial City,No.18 Fenghua Road, Duanzhou District,Zhaoqing city,Guangdong province China

PRODUCT NAME, MODEL AND SPECIFICATION NTC Thermistors
See appendix

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS GB/T 6663.1-2007

TYPE OF CERTIFICATION SCHEMES Type Testing of Product + Follow up Factory Inspection

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC11-471552-2015.

Date of original issued: Apr.01,2019

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body.

The certificate information is available through the QR code below or CNCA's website: www.cnca.gov.cn



SIGNATURE:

谢肇煦



CHINA QUALITY CERTIFICATION CENTRE



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001213590

page 1 of 15

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

表 1 热敏电阻器规格 (φ5), 气候类别为 40/150/42

型号规格		电压 (VAC)	零功率 电阻值 (Ω)	B _{25/85} (K) ±10%	最大 稳态 电流 (A)	热时 间常 数 (s)	耗散系 数 (mW/°C)	最大允许电 容量 (μF)	
								120VAC	240VAC
NTC 2.5D-5	FNR 2.5D-5	240VAC	2.5	2500	2	25	7	400	100
NTC 3D-5	FNR 3D-5	240VAC	3	2500	2	17	7	400	100
NTC 4D-5	FNR 4D-5	240VAC	4	2500	2	17	7	400	100
NTC 5D-5	FNR 5D-5	240VAC	5	2600	2	17	7	400	100
NTC 6D-5	FNR 6D-5	240VAC	6	2600	2	17	7	400	100
NTC 8D-5	FNR 8D-5	240VAC	8	2600	1	17	7	400	100
NTC 9D-5	FNR 9D-5	240VAC	9	2600	1	17	7	400	100
NTC 10D-5	FNR 10D-5	240VAC	10	2600	1	17	7	400	100
NTC 12D-5	FNR 12D-5	240VAC	12	2600	1	17	7	400	100
NTC 15D-5	FNR 15D-5	240VAC	15	2600	1	17	7	400	100
NTC 16D-5	FNR 16D-5	240VAC	16	2600	0.7	17	7	400	100
NTC 20D-5	FNR 20D-5	240VAC	20	2700	0.6	17	7	400	100
NTC 22D-5	FNR 22D-5	240VAC	22	2700	0.6	17	7	272	68
NTC 30D-5	FNR 30D-5	240VAC	30	2800	0.5	17	7	272	68
NTC 33D-5	FNR 33D-5	240VAC	33	2800	0.5	17	7	272	68
NTC 40D-5	FNR 40D-5	240VAC	40	2800	0.5	17	7	272	68
NTC 50D-5	FNR 50D-5	240VAC	50	2800	0.5	17	7	272	68
NTC 60D-5	FNR 60D-5	240VAC	60	2800	0.5	17	7	272	68
NTC 70D-5	FNR 70D-5	240VAC	70	2800	0.4	17	7	272	68
NTC 80D-5	FNR 80D-5	240VAC	80	2900	0.4	17	7	272	68
NTC 90D-5	FNR 90D-5	240VAC	90	2900	0.4	17	7	272	68
NTC 100D-5	FNR 100D-5	240VAC	100	2900	0.3	17	7	272	68
NTC 120D-5	FNR 120D-5	240VAC	120	2900	0.3	17	7	272	68



CHINA QUALITY CERTIFICATION CENTRE



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001213590

page2of 15

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

表 2 热敏电阻器规格 (φ7) , 气候类别为 40/150/42

型号规格		电压 (VAC)	零功率 电阻值 (Ω)	B _{25/85} (K) ±10%	最大 稳态 电流 (A)	热时 间常 数 (s)	耗散系 数 (mW/°C)	最大允许电 容量 (μF)	
								120VAC	240VAC
NTC 1.5D-7	FNR 1.5D-7	240VAC	1.5	2500	3	27	11	400	100
NTC 2D-7	FNR 2D-7	240VAC	2	2500	3	27	11	400	100
NTC 2.5D-7	FNR 2.5D-7	240VAC	2.5	2500	3	27	11	400	100
NTC 3D-7	FNR 3D-7	240VAC	3	2600	2.3	27	11	400	100
NTC 3.3D-7	FNR 3.3D-7	240VAC	3.3	2600	2.3	27	11	400	100
NTC 4.7D-7	FNR 4.7D-7	240VAC	4.7	2700	2.3	27	11	400	100
NTC 5D-7	FNR 5D-7	240VAC	5	2700	2.3	27	11	400	100
NTC 6D-7	FNR 6D-7	240VAC	6	2700	2.3	27	11	400	100
NTC 7D-7	FNR 7D-7	240VAC	7	2700	2	27	11	400	100
NTC 8D-7	FNR 8D-7	240VAC	8	2700	2	27	11	400	100
NTC 10D-7	FNR 10D-7	240VAC	10	2700	1.5	27	11	400	100
NTC 12D-7	FNR 12D-7	240VAC	12	2700	1.5	27	11	400	100
NTC 15D-7	FNR 15D-7	240VAC	15	2700	1.5	27	11	400	100
NTC 16D-7	FNR 16D-7	240VAC	16	2700	1.5	27	11	400	100
NTC 20D-7	FNR 20D-7	240VAC	20	2800	0.8	27	11	400	100
NTC 22D-7	FNR 22D-7	240VAC	22	2800	0.8	27	11	400	100
NTC 30D-7	FNR 30D-7	240VAC	30	2900	0.7	27	11	400	100
NTC 33D-7	FNR 33D-7	240VAC	33	2900	0.7	27	11	400	100
NTC 60D-7	FNR 60D-7	240VAC	60	2900	0.6	27	11	272	68
NTC 80D-7	FNR 80D-7	240VAC	80	2900	0.6	27	11	272	68
NTC 120D-7	FNR 120D-7	240VAC	120	2900	0.5	27	11	272	68



CHINA QUALITY CERTIFICATION CENTRE



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001213590

page3of 15

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

表 3 热敏电阻器规格 (φ9), 气候类别为 40/170/42

型号规格		电压 (VAC)	零功率 电阻值 (Ω)	B _{25/85} (K) ±10%	最大 稳态 电流 (A)	热时 间常 数 (s)	耗散系 数 (mW/°C)	最大允许电 容量 (μF)	
								120VAC	240VAC
NTC 1D-9	FNR 1D-9	240VAC	1	2500	4	38	12	600	150
NTC 1.3D-9	FNR 1.3D-9	240VAC	1.3	2500	4	38	12	600	150
NTC 1.5D-9	FNR 1.5D-9	240VAC	1.5	2500	4	38	12	600	150
NTC 2D-9	FNR 2D-9	240VAC	2	2500	4	38	12	600	150
NTC 2.5D-9	FNR 2.5D-9	240VAC	2.5	2600	4	38	12	600	150
NTC 3D-9	FNR 3D-9	240VAC	3	2600	4	38	12	600	150
NTC 4D-9	FNR 4D-9	240VAC	4	2600	3	38	12	880	220
NTC 4.7D-9	FNR 4.7D-9	240VAC	4.7	2700	3	38	12	880	220
NTC 5D-9	FNR 5D-9	240VAC	5	2700	3	38	12	880	220
NTC 6D-9	FNR 6D-9	240VAC	6	2700	3	38	12	880	220
NTC 7D-9	FNR 7D-9	240VAC	7	2700	3	38	12	880	220
NTC 8D-9	FNR 8D-9	240VAC	8	2700	2.2	38	12	880	220
NTC 10D-9	FNR 10D-9	240VAC	10	2700	2	38	12	880	220
NTC 12D-9	FNR 12D-9	240VAC	12	2800	2	38	12	880	220
NTC 15D-9	FNR 15D-9	240VAC	15	2800	2	38	12	600	150
NTC 16D-9	FNR 16D-9	240VAC	16	2800	2	38	12	600	150
NTC 20D-9	FNR 20D-9	240VAC	20	2800	1	38	12	600	150
NTC 22D-9	FNR 22D-9	240VAC	22	2800	1	38	12	600	150
NTC 25D-9	FNR 25D-9	240VAC	25	2900	1	38	12	600	150
NTC 30D-9	FNR 30D-9	240VAC	30	2900	1	38	12	600	150



CHINA QUALITY CERTIFICATION CENTRE



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001213590

page4of 15

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

NTC 33D-9	FNR 33D-9	240VAC	33	2900	1	38	12	600	150
NTC 47D-9	FNR 47D-9	240VAC	47	2900	1	38	12	600	150
NTC 50D-9	FNR 50D-9	240VAC	50	2900	1	38	12	600	150
NTC 60D-9	FNR 60D-9	240VAC	60	2900	0.8	38	12	600	150
NTC 80D-9	FNR 80D-9	240VAC	80	3000	0.8	38	12	400	100
NTC 100D-9	FNR 100D-9	240VAC	100	3000	0.8	38	12	400	100
NTC 120D-9	FNR 120D-9	240VAC	120	3000	0.8	38	12	400	100
NTC 200D-9	FNR 200D-9	240VAC	200	3100	0.6	38	12	272	68

表 4 热敏电阻器规格 (φ11), 气候类别为 40/170/42

型号规格		电压 (VAC)	零功率 电阻值 (Ω)	B _{25/85} (K) ±10%	最大 稳态 电流 (A)	热时 间常 数 (s)	耗散系 数 (mW/°C)	最大允许电 容量 (μF)	
								120VAC	240VAC
NTC 0.7D-11	FNR 0.7D-11	240VAC	0.7	2500	5	43	13	1880	470
NTC 1D-11	FNR 1D-11	240VAC	1	2500	5	43	13	1880	470
NTC 1.3D-11	FNR 1.3D-11	240VAC	1.3	2500	5	43	13	1880	470
NTC 1.5D-11	FNR 1.5D-11	240VAC	1.5	2500	5	43	13	1880	470
NTC 2D-11	FNR 2D-11	240VAC	2	2500	5	43	13	1880	470
NTC 2.5D-11	FNR 2.5D-11	240VAC	2.5	2600	5	43	13	1880	470
NTC 3D-11	FNR 3D-11	240VAC	3	2600	5	43	13	2240	560
NTC 4D-11	FNR 4D-11	240VAC	4	2700	4	43	13	2240	560
NTC 5D-11	FNR 5D-11	240VAC	5	2700	4	43	13	1880	470
NTC 5.1D-11	FNR 5.1D-11	240VAC	5.1	2700	4	43	13	1880	470
NTC 6D-11	FNR 6D-11	240VAC	6	2700	3.5	43	13	1320	330
NTC 6.8D-11	FNR 6.8D-11	240VAC	6.8	2700	3	43	13	1320	330
NTC 8D-11	FNR 8D-11	240VAC	8	2800	3	43	13	1320	330
NTC 10D-11	FNR 10D-11	240VAC	10	2800	3	43	13	1320	330
NTC 12D-11	FNR 12D-11	240VAC	12	2800	3	43	13	1880	470



CHINA QUALITY CERTIFICATION CENTRE



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001213590

page5of 15

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

NTC 13D-11	FNR 13D-11	240VAC	13	2800	3	43	13	1320	330
NTC 15D-11	FNR 15D-11	240VAC	15	2800	2.5	43	13	1320	330
NTC 16D-11	FNR 16D-11	240VAC	16	2800	2.5	43	13	1320	330
NTC 20D-11	FNR 20D-11	240VAC	20	2900	2	43	13	1320	330
NTC 22D-11	FNR 22D-11	240VAC	22	2900	2	43	13	1320	330
NTC 25D-11	FNR 25D-11	240VAC	25	2900	2	43	13	1320	330
NTC 30D-11	FNR 30D-11	240VAC	30	2900	2	43	13	1320	330
NTC 33D-11	FNR 33D-11	240VAC	33	3000	2	43	13	1320	330
NTC 40D-11	FNR 40D-11	240VAC	40	3000	2	43	13	1320	330
NTC 47D-11	FNR 47D-11	240VAC	47	3000	2	43	13	1320	330
NTC 50D-11	FNR 50D-11	240VAC	50	3000	2	43	13	1320	330
NTC 60D-11	FNR 60D-11	240VAC	60	3000	1.5	43	13	880	220
NTC 80D-11	FNR 80D-11	240VAC	80	3100	1.2	43	13	880	220
NTC 100D-11	FNR 100D-11	240VAC	100	3100	1.2	43	13	880	220
NTC 120D-11	FNR 120D-11	240VAC	120	3100	1.2	43	13	880	220

表 5 热敏电阻器规格 (φ13), 气候类别为 40/200/42

型号规格		电压 (VAC)	零功率 电阻值 (Ω)	B _{25/85} (K) ±10%	最大 稳态 电流 (A)	热时 间常 数 (s)	耗散系 数 (mW/°C)	最大允许电 容量 (μF)	
								120VAC	240VAC
NTC 0.7D-13	FNR 0.7D-13	240VAC	0.7	2600	7	66	18	2240	560
NTC 1D-13	FNR 1D-13	240VAC	1	2600	7	66	18	2240	560
NTC 1.3D-13	FNR 1.3D-13	240VAC	1.3	2600	7	66	18	2240	560
NTC 1.5D-13	FNR 1.5D-13	240VAC	1.5	2600	6	66	18	2240	560
NTC 2D-13	FNR 2D-13	240VAC	2	2600	6	66	18	2240	560
NTC 2.2D-13	FNR 2.2D-13	240VAC	2.2	2700	6	66	18	2240	560
NTC 2.5D-13	FNR 2.5D-13	240VAC	2.5	2700	6	66	18	2240	560
NTC 3D-13	FNR 3D-13	240VAC	3	2700	6	66	18	2240	560



CHINA QUALITY CERTIFICATION CENTRE



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001213590

page6of 15

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

NTC 4D-13	FNR 4D-13	240VAC	4	2700	5	66	18	2240	560
NTC 4.7D-13	FNR 4.7D-13	240VAC	4.7	2800	5	66	18	2240	560
NTC 5D-13	FNR 5D-13	240VAC	5	2800	5	66	18	2240	560
NTC 6D-13	FNR 6D-13	240VAC	6	2800	4	66	18	1880	470
NTC 7D-13	FNR 7D-13	240VAC	7	2800	4	66	18	1880	470
NTC 8D-13	FNR 8D-13	240VAC	8	2800	4	66	18	1880	470
NTC 10D-13	FNR 10D-13	240VAC	10	2900	4	66	18	1880	470
NTC 12D-13	FNR 12D-13	240VAC	12	2900	4	66	18	2240	560
NTC 15D-13	FNR 15D-13	240VAC	15	2900	3	66	18	2240	560
NTC 16D-13	FNR 16D-13	240VAC	16	2900	3	66	18	2240	560
NTC 17.5D-13	FNR 17.5D-13	240VAC	17.5	2900	3	66	18	2240	560
NTC 18D-13	FNR 18D-13	240VAC	18	2900	3	66	18	2240	560
NTC 20D-13	FNR 20D-13	240VAC	20	3000	3	66	18	1880	470
NTC 22D-13	FNR 22D-13	240VAC	22	3000	3	66	18	1880	470
NTC 25D-13	FNR 25D-13	240VAC	25	3000	2.5	66	18	1880	470
NTC 30D-13	FNR 30D-13	240VAC	30	3000	2.5	66	18	1880	470
NTC 33D-13	FNR 33D-13	240VAC	33	3100	2.5	66	18	1880	470
NTC 40D-13	FNR 40D-13	240VAC	40	3100	2.5	66	18	1880	470
NTC 47D-13	FNR 47D-13	240VAC	47	3100	2.5	66	18	1880	470
NTC 60D-13	FNR 60D-13	240VAC	60	3200	2	66	18	1880	470
NTC 80D-13	FNR 80D-13	240VAC	80	3200	2	66	18	1880	470
NTC 120D-13	FNR 120D-13	240VAC	120	3300	1.5	66	18	1880	470
NTC 150D-13	FNR 150D-13	240VAC	150	3300	1.5	66	18	1880	470
NTC 250D-13	FNR 250D-13	240VAC	250	3400	1	66	18	1880	470

表 6 热敏电阻器规格 (φ15), 气候类别为 40/200/42

型号规格	电压 (VAC)	零功率 电阻值 (Ω)	B _{25/85} (K) ±10%	最大 稳态 电流	热时 间常 数	耗散系 数 (mW/°C)	最大允许电 容量 (μF)	
							120VAC	240VAC



CHINA QUALITY CERTIFICATION CENTRE



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001213590

page7of 15

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

					(A)	(s)			
NTC 0. 7D-15	FNR 0. 7D-15	240VAC	0. 7	2600	8	75	21	2720	680
NTC 1D-15	FNR 1D-15	240VAC	1	2600	9	75	21	2720	680
NTC 1. 3D-15	FNR 1. 3D-15	240VAC	1. 3	2700	8	75	21	2720	680
NTC 1. 5D-15	FNR 1. 5D-15	240VAC	1. 5	2600	8	75	21	2720	680
NTC 2D-15	FNR 2D-15	240VAC	2	2600	8	75	21	2720	680
NTC 2. 2D-15	FNR 2. 2D-15	240VAC	2. 2	2600	8	75	21	2720	680
NTC 2. 5D-15	FNR 2. 5D-15	240VAC	2. 5	2700	8	75	21	2720	680
NTC 3D-15	FNR 3D-15	240VAC	3	2700	7	75	21	3280	820
NTC 4D-15	FNR 4D-15	240VAC	4	2800	6	75	21	3280	820
NTC 4. 7D-15	FNR 4. 7D-15	240VAC	4. 7	2800	6	75	21	3280	680
NTC 5D-15	FNR 5D-15	240VAC	5	2800	6	75	21	3280	820
NTC 6D-15	FNR 6D-15	240VAC	6	2800	5	75	21	2720	680
NTC 7D-15	FNR 7D-15	240VAC	7	2900	5	75	21	3280	820
NTC 8D-15	FNR 8D-15	240VAC	8	2900	5	75	21	2720	680
NTC 10D-15	FNR 10D-15	240VAC	10	2900	5	75	21	3280	820
NTC 12D-15	FNR 12D-15	240VAC	12	2900	5	75	21	2720	680
NTC 15D-15	FNR 15D-15	240VAC	15	3000	4	75	21	3280	820
NTC 16D-15	FNR 16D-15	240VAC	16	3000	4	75	21	3280	820
NTC 18D-15	FNR 18D-15	240VAC	18	3000	4	75	21	2720	680
NTC 20D-15	FNR 20D-15	240VAC	20	3000	4	75	21	3280	820
NTC 22D-15	FNR 22D-15	240VAC	22	3000	4	75	21	2240	560
NTC 25D-15	FNR 25D-15	240VAC	25	3100	3. 5	75	21	2720	680
NTC 30D-15	FNR 30D-15	240VAC	30	3100	3. 5	75	21	2720	680
NTC 33D-15	FNR 33D-15	240VAC	33	3100	3. 5	75	21	2240	560
NTC 40D-15	FNR 40D-15	240VAC	40	3100	3	75	21	2720	680
NTC 47D-15	FNR 47D-15	240VAC	47	3200	3	75	21	2720	680
NTC 60D-15	FNR 60D-15	240VAC	60	3300	2. 5	75	21	2240	560
NTC 80D-15	FNR 80D-15	240VAC	80	3300	2. 5	75	21	2240	560



CHINA QUALITY CERTIFICATION CENTRE



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001213590

page8of 15

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

NTC 120D-15	FNR 120D-15	240VAC	120	3500	2	75	21	2240	560
NTC 220D-15	FNR 220D-15	240VAC	220	3500	1.2	75	21	2240	560

表 7 热敏电阻器规格 (φ20), 气候类别为 40/200/42

型号规格		电压 (VAC)	零功率 电阻值 (Ω)	B _{25/85} (K) ±10%	最大 稳态 电流 (A)	热时 间常 数 (s)	耗散系 数 (mW/°C)	最大允许电 容量 (μF)	
								120VAC	240VAC
NTC 0.7D-20	FNR 0.7D-20	240VAC	0.7	2600	15	113	28	4000	1000
NTC 1D-20	FNR 1D-20	240VAC	1	2600	13	113	28	4000	1000
NTC 1.3D-20	FNR 1.3D-20	240VAC	1.3	2600	11	113	28	4000	1000
NTC 1.5D-20	FNR 1.5D-20	240VAC	1.5	2600	10.5	113	28	4000	1000
NTC 2D-20	FNR 2D-20	240VAC	2	2700	10	113	28	4000	1000
NTC 2.5D-20	FNR 2.5D-20	240VAC	2.5	2800	9	113	28	4000	1000
NTC 3D-20	FNR 3D-20	240VAC	3	2800	8.5	113	28	4000	1000
NTC 4D-20	FNR 4D-20	240VAC	4	2900	8	113	28	4000	1000
NTC 4.7D-20	FNR 4.7D-20	240VAC	4.7	2900	7.5	113	28	4000	1000
NTC 5D-20	FNR 5D-20	240VAC	5	2900	7.5	113	28	4000	1000
NTC 6D-20	FNR 6D-20	240VAC	6	2900	7	113	28	4000	1000
NTC 6.8D-20	FNR 6.8D-20	240VAC	6.8	2900	6.5	113	28	4000	1000
NTC 7D-20	FNR 7D-20	240VAC	7	2900	6.5	113	28	4000	1000
NTC 8D-20	FNR 8D-20	240VAC	8	3000	6	113	28	4000	1000
NTC 10D-20	FNR 10D-20	240VAC	10	3000	6	113	28	4000	1000
NTC 12D-20	FNR 12D-20	240VAC	12	3000	5.5	113	28	4000	1000
NTC 13D-20	FNR 13D-20	240VAC	13	3000	5.5	113	28	4000	1000
NTC 15D-20	FNR 15D-20	240VAC	15	3100	5	113	28	4000	1000
NTC 16D-20	FNR 16D-20	240VAC	16	3100	5	113	28	4000	1000
NTC 18D-20	FNR 18D-20	240VAC	18	3100	4.5	113	28	4000	1000
NTC 20D-20	FNR 20D-20	240VAC	20	3100	4.5	113	28	4000	1000



CHINA QUALITY CERTIFICATION CENTRE



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001213590

page9of 15

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

NTC 25D-20	FNR 25D-20	240VAC	25	3100	4	113	28	4000	1000
NTC 30D-20	FNR 30D-20	240VAC	30	3200	4	113	28	4000	1000
NTC 40D-20	FNR 40D-20	240VAC	40	3200	4	113	28	4000	1000
NTC 47D-20	FNR 47D-20	240VAC	47	3300	4	113	28	4000	1000
NTC 60D-20	FNR 60D-20	240VAC	60	3400	3	113	28	3280	820
NTC 100D-20	FNR 100D-20	240VAC	100	3500	2.5	113	28	2720	680
NTC 120D-20	FNR 120D-20	240VAC	120	3500	2.5	113	28	2720	680

表 8 热敏电阻器规格 (φ7) , 气候类别为 40/170/42

型号规格		电压 (VAC)	零功率电阻值 (Ω)	B _{25/85} (K) ±10%	最大稳态电流 (A)	热时间常数 (s)	耗散系数 (mW/°C)	最大允许电容量 (μF)
								240VAC
NTC 1.5D-7H	FNR 1.5D-7H	240VAC	1.5	2500	4	27	11	150
NTC 2D-7H	FNR 2D-7H	240VAC	2	2500	4	27	11	150
NTC 2.5D-7H	FNR 2.5D-7H	240VAC	2.5	2500	4	27	11	150
NTC 3D-7H	FNR 3D-7H	240VAC	3	2600	3	27	11	150
NTC 3.3D-7H	FNR 3.3D-7H	240VAC	3.3	2600	3	27	11	150
NTC 4.7D-7H	FNR 4.7D-7H	240VAC	4.7	2700	3	27	11	150
NTC 5D-7H	FNR 5D-7H	240VAC	5	2700	3	27	11	150
NTC 6D-7H	FNR 6D-7H	240VAC	6	2700	2.5	27	11	150
NTC 7D-7H	FNR 7D-7H	240VAC	7	2700	2.5	27	11	150
NTC 8D-7H	FNR 8D-7H	240VAC	8	2700	2.5	27	11	150
NTC 10D-7H	FNR 10D-7H	240VAC	10	2700	2	27	11	150
NTC 12D-7H	FNR 12D-7H	240VAC	12	2700	2	27	11	100
NTC 15D-7H	FNR 15D-7H	240VAC	15	2700	2	27	11	100
NTC 16D-7H	FNR 16D-7H	240VAC	16	2700	2	27	11	100
NTC 20D-7H	FNR 20D-7H	240VAC	20	2800	1	27	11	100
NTC 22D-7H	FNR 22D-7H	240VAC	22	2800	1	27	11	100



CHINA QUALITY CERTIFICATION CENTRE



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001213590

page10of 15

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

NTC 30D-7H	FNR 30D-7H	240VAC	30	3000	1	27	11	100
NTC 33D-7H	FNR 33D-7H	240VAC	33	3000	1	27	11	100
NTC 60D-7H	FNR 60D-7H	240VAC	60	3000	0.8	27	11	100
NTC 80D-7H	FNR 80D-7H	240VAC	80	3000	0.8	27	11	100
NTC 120D-7H	FNR 120D-7H	240VAC	120	3000	0.6	27	11	100

表 9 热敏电阻器规格 (φ9), 气候类别为 40/170/42

型号规格		电压 (VAC)	零功率电阻值 (Ω)	B _{25/85} (K) ±10%	最大稳态电流 (A)	热时间常数 (s)	耗散系数 (mW/°C)	最大允许电容量 (μF)
								240VAC
NTC 1D-9H	FNR 1D-9H	240VAC	1	2400	5	38	13	220
NTC 1.3D-9H	FNR 1.3D-9H	240VAC	1.3	2400	5	38	13	220
NTC 1.5D-9H	FNR 1.5D-9H	240VAC	1.5	2400	5	38	13	220
NTC 2D-9H	FNR 2D-9H	240VAC	2	2400	5	38	13	220
NTC 2.5D-9H	FNR 2.5D-9H	240VAC	2.5	2600	5	38	13	220
NTC 3D-9H	FNR 3D-9H	240VAC	3	2600	5	38	13	220
NTC 4D-9H	FNR 4D-9H	240VAC	4	2600	4	38	13	220
NTC 4.7D-9H	FNR 4.7D-9H	240VAC	4.7	2700	4	38	13	220
NTC 5D-9H	FNR 5D-9H	240VAC	5	2700	4	38	13	220
NTC 6D-9H	FNR 6D-9H	240VAC	6	2700	4	38	13	220
NTC 7D-9H	FNR 7D-9H	240VAC	7	2700	3	38	13	220
NTC 8D-9H	FNR 8D-9H	240VAC	8	2700	3	38	13	220
NTC 10D-9H	FNR 10D-9H	240VAC	10	2700	3	38	13	220
NTC 12D-9H	FNR 12D-9H	240VAC	12	2800	2.5	38	13	220
NTC 15D-9H	FNR 15D-9H	240VAC	15	2800	2.5	38	13	220
NTC 16D-9H	FNR 16D-9H	240VAC	16	2800	2.5	38	13	220
NTC 20D-9H	FNR 20D-9H	240VAC	20	2800	2	38	13	220
NTC 22D-9H	FNR 22D-9H	240VAC	22	2800	2	38	13	220



CHINA QUALITY CERTIFICATION CENTRE



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001213590

page 11 of 15

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

NTC 25D-9H	FNR 25D-9H	240VAC	25	2900	2	38	13	220
NTC 30D-9H	FNR 30D-9H	240VAC	30	2900	2	38	13	220
NTC 33D-9H	FNR 33D-9H	240VAC	33	2900	1.5	38	13	220
NTC 47D-9H	FNR 47D-9H	240VAC	47	2900	1.5	38	13	220
NTC 50D-9H	FNR 50D-9H	240VAC	50	2900	1.5	38	13	220
NTC 60D-9H	FNR 60D-9H	240VAC	60	2900	1.0	38	13	220

表 10 热敏电阻器规格 (φ11), 气候类别为 40/170/42

型号规格		电压 (VAC)	零功率电阻值 (Ω)	B _{25/85} (K) ±10%	最大稳态电流 (A)	热时间常数 (s)	耗散系数 (mW/°C)	最大允许电容量 (μF)
								240VAC
NTC 0.7D-11H	FNR 0.7D-11H	240VAC	0.7	2400	7	43	15	560
NTC 1D-11H	FNR 1D-11H	240VAC	1	2400	7	43	15	560
NTC 1.3D-11H	FNR 1.3D-11H	240VAC	1.3	2400	7	43	15	560
NTC 1.5D-11H	FNR 1.5D-11H	240VAC	1.5	2400	7	43	15	560
NTC 2D-11H	FNR 2D-11H	240VAC	2	2400	6	43	15	560
NTC 2.2D-11H	FNR 2.2D-11H	240VAC	2.2	2600	6	43	15	560
NTC 2.5D-11H	FNR 2.5D-11H	240VAC	2.5	2600	6	43	15	560
NTC 3D-11H	FNR 3D-11H	240VAC	3	2600	6	43	15	560
NTC 4D-11H	FNR 4D-11H	240VAC	4	2700	5	43	15	560
NTC 5D-11H	FNR 5D-11H	240VAC	5	2700	5	43	15	560
NTC 5.1D-11H	FNR 5.1D-11H	240VAC	5.1	2700	5	43	15	560
NTC 6D-11H	FNR 6D-11H	240VAC	6	2700	5	43	15	470
NTC 6.8D-11H	FNR 6.8D-11H	240VAC	6.8	2700	4	43	15	470
NTC 8D-11H	FNR 8D-11H	240VAC	8	2800	4	43	15	470
NTC 10D-11H	FNR 10D-11H	240VAC	10	2800	4	43	15	470
NTC 12D-11H	FNR 12D-11H	240VAC	12	2800	4	43	15	470
NTC 13D-11H	FNR 13D-11H	240VAC	13	2800	4	43	15	470



CHINA QUALITY CERTIFICATION CENTRE



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001213590

page12of 15

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

NTC 15D-11H	FNR 15D-11H	240VAC	15	2800	3	43	15	470
NTC 16D-11H	FNR 16D-11H	240VAC	16	2800	3	43	15	560
NTC 20D-11H	FNR 20D-11H	240VAC	20	2900	3	43	15	470
NTC 22D-11H	FNR 22D-11H	240VAC	22	2900	3	43	15	470
NTC 25D-11H	FNR 25D-11H	240VAC	25	2900	2.5	43	15	470
NTC 30D-11H	FNR 30D-11H	240VAC	30	2900	2.5	43	15	470
NTC 33D-11H	FNR 33D-11H	240VAC	33	3000	2.5	43	15	470
NTC 40D-11H	FNR 40D-11H	240VAC	40	3000	2.5	43	15	470
NTC 47D-11H	FNR 47D-11H	240VAC	47	3000	2.5	43	15	470
NTC 50D-11H	FNR 50D-11H	240VAC	50	3000	2.5	43	15	470
NTC 60D-11H	FNR 60D-11H	240VAC	60	3000	2	43	15	330
NTC 80D-11H	FNR 80D-11H	240VAC	80	3200	1.5	43	15	330
NTC 100D-11H	FNR 100D-11H	240VAC	100	3200	1.5	43	15	330
NTC 120D-11H	FNR 120D-11H	240VAC	120	3200	1.5	43	15	330

表 11 热敏电阻器规格 (φ13), 气候类别为 40/200/42

型号规格		电压 (VAC)	零功率电阻值 (Ω)	B _{25/85} (K) ±10%	最大稳态电流 (A)	热时间常数 (s)	耗散系数 (mW/°C)	最大允许电容量 (μF)
								240VAC
NTC 0.7D-13H	FNR 0.7D-13H	240VAC	0.7	2600	9	66	18	680
NTC 1D-13H	FNR 1D-13H	240VAC	1	2600	9	66	18	680
NTC 1.3D-13H	FNR 1.3D-13H	240VAC	1.3	2600	9	66	18	680
NTC 1.5D-13H	FNR 1.5D-13H	240VAC	1.5	2600	9	66	18	680
NTC 2D-13H	FNR 2D-13H	240VAC	2	2600	8	66	18	680
NTC 2.2D-13H	FNR 2.2D-13H	240VAC	2.2	2700	8	66	18	680
NTC 2.5D-13H	FNR 2.5D-13H	240VAC	2.5	2700	8	66	18	680
NTC 3D-13H	FNR 3D-13H	240VAC	3	2700	8	66	18	680
NTC 4D-13H	FNR 4D-13H	240VAC	4	2700	6	66	18	680



CHINA QUALITY CERTIFICATION CENTRE



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001213590

page13of 15

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

NTC 4.7D-13H	FNR 4.7D-13H	240VAC	4.7	2800	6	66	18	680
NTC 5D-13H	FNR 5D-13H	240VAC	5	2800	6	66	18	680
NTC 6D-13H	FNR 6D-13H	240VAC	6	2800	5	66	18	560
NTC 7D-13H	FNR 7D-13H	240VAC	7	2800	5	66	18	560
NTC 8D-13H	FNR 8D-13H	240VAC	8	2800	5	66	18	560
NTC 10D-13H	FNR 10D-13H	240VAC	10	2900	5	66	18	560
NTC 12D-13H	FNR 12D-13H	240VAC	12	2900	4	66	18	560
NTC 15D-13H	FNR 15D-13H	240VAC	15	2900	4	66	18	560
NTC 16D-13H	FNR 16D-13H	240VAC	16	2900	4	66	18	560
NTC 17.5D-13H	FNR 17.5D-13H	240VAC	17.5	2900	4	66	18	560
NTC 18D-13H	FNR 18D-13H	240VAC	18	2900	4	66	18	560
NTC 20D-13H	FNR 20D-13H	240VAC	20	3000	4	66	18	560
NTC 22D-13H	FNR 22D-13H	240VAC	22	3000	4	66	18	560
NTC 25D-13H	FNR 25D-13H	240VAC	25	3000	4	66	18	560
NTC 30D-13H	FNR 30D-13H	240VAC	30	3000	3	66	18	560
NTC 33D-13H	FNR 33D-13H	240VAC	33	3100	3	66	18	560
NTC 40D-13H	FNR 40D-13H	240VAC	40	3100	3	66	18	560
NTC 47D-13H	FNR 47D-13H	240VAC	47	3100	3	66	18	560

表 12 热敏电阻器规格 (φ15), 气候类别为 40/200/42

型号规格	电压 (VAC)	零功率电阻值 (Ω)	B _{25/85} (K) ±10%	最大稳态电流 (A)	热时间常数 (s)	耗散系数 (mW/°C)	最大允许电容量 (μF)	
							240VAC	
NTC 0.7D-15H	FNR 0.7D-15H	240VAC	0.7	2600	10	75	21	820
NTC 1D-15H	FNR 1D-15H	240VAC	1	2600	10	75	21	820
NTC 1.3D-15H	FNR 1.3D-15H	240VAC	1.3	2600	10	75	21	820
NTC 1.5D-15H	FNR 1.5D-15H	240VAC	1.5	2600	10	75	21	820
NTC 2D-15H	FNR 2D-15H	240VAC	2	2600	9	75	21	820



CHINA QUALITY CERTIFICATION CENTRE



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001213590

page14of 15

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

NTC 2.2D-15H	FNR 2.2D-15H	240VAC	2.2	2600	9	75	21	820
NTC 2.5D-15H	FNR 2.5D-15H	240VAC	2.5	2700	9	75	21	820
NTC 3D-15H	FNR 3D-15H	240VAC	3	2700	9	75	21	820
NTC 4D-15H	FNR 4D-15H	240VAC	4	2800	8	75	21	820
NTC 4.7D-15H	FNR 4.7D-15H	240VAC	4.7	2800	8	75	21	820
NTC 5D-15H	FNR 5D-15H	240VAC	5	2800	8	75	21	820
NTC 6D-15H	FNR 6D-15H	240VAC	6	2800	6	75	21	820
NTC 7D-15H	FNR 7D-15H	240VAC	7	2900	6	75	21	820
NTC 8D-15H	FNR 8D-15H	240VAC	8	2900	6	75	21	820
NTC 10D-15H	FNR 10D-15H	240VAC	10	2900	6	75	21	820
NTC 12D-15H	FNR 12D-15H	240VAC	12	2900	5	75	21	820
NTC 15D-15H	FNR 15D-15H	240VAC	15	3000	5	75	21	820
NTC 16D-15H	FNR 16D-15H	240VAC	16	3000	5	75	21	820
NTC 18D-15H	FNR 18D-15H	240VAC	18	3000	5	75	21	820
NTC 20D-15H	FNR 20D-15H	240VAC	20	3000	5	75	21	820
NTC 22D-15H	FNR 22D-15H	240VAC	22	3000	5	75	21	680
NTC 25D-15H	FNR 25D-15H	240VAC	25	3100	4	75	21	680
NTC 30D-15H	FNR 30D-15H	240VAC	30	3100	4	75	21	680
NTC 33D-15H	FNR 33D-15H	240VAC	33	3100	4	75	21	680
NTC 40D-15H	FNR 40D-15H	240VAC	40	3100	4	75	21	680
NTC 47D-15H	FNR 47D-15H	240VAC	47	3200	4	75	21	680
NTC 60D-15H	FNR 60D-15H	240VAC	60	3300	4	75	21	680

表 13 热敏电阻器规格 (φ20), 气候类别为 40/200/42

型号规格	电压 (VAC)	零功率电阻值 (Ω)	B _{25/85} (K) ±10%	最大稳态电流 (A)	热时间常数 (s)	耗散系数 (mW/°C)	最大允许电容量 (μF)	
							240VAC	
NTC 0.7D-20H	FNR 0.7D-20H	240VAC	0.7	2400	16	113	28	1500



CHINA QUALITY CERTIFICATION CENTRE



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001213590

page15of 15

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

NTC 1D-20H	FNR 1D-20H	240VAC	1	2400	16	113	28	1500
NTC 1.3D-20H	FNR 1.3D-20H	240VAC	1.3	2400	14	113	28	1500
NTC 1.5D-20H	FNR 1.5D-20H	240VAC	1.5	2600	13	113	28	1500
NTC 2D-20H	FNR 2D-20H	240VAC	2	2700	13	113	28	1500
NTC 2.5D-20H	FNR 2.5D-20H	240VAC	2.5	2800	11	113	28	1500
NTC 3D-20H	FNR 3D-20H	240VAC	3	2800	10	113	28	1500
NTC 4D-20H	FNR 4D-20H	240VAC	4	2900	10	113	28	1500
NTC 4.7D-20H	FNR 4.7D-20H	240VAC	4.7	2900	10	113	28	1500
NTC 5D-20H	FNR 5D-20H	240VAC	5	2900	10	113	28	1500
NTC 6D-20H	FNR 6D-20H	240VAC	6	2900	9	113	28	1500
NTC 6.8D-20H	FNR 6.8D-20H	240VAC	6.8	2900	8	113	28	1500
NTC 7D-20H	FNR 7D-20H	240VAC	7	2900	8	113	28	1500
NTC 8D-20H	FNR 8D-20H	240VAC	8	3000	7.5	113	28	1500
NTC 10D-20H	FNR 10D-20H	240VAC	10	3000	7.5	113	28	1200
NTC 12D-20H	FNR 12D-20H	240VAC	12	3000	7.5	113	28	1200
NTC 13D-20H	FNR 13D-20H	240VAC	13	3000	6	113	28	1200
NTC 15D-20H	FNR 15D-20H	240VAC	15	3100	6	113	28	1200
NTC 16D-20H	FNR 16D-20H	240VAC	16	3100	6	113	28	1200
NTC 18D-20H	FNR 18D-20H	240VAC	18	3100	5	113	28	1200
NTC 20D-20H	FNR 20D-20H	240VAC	20	3100	5	113	28	1200
NTC 25D-20H	FNR 25D-20H	240VAC	25	3100	5	113	28	1200
NTC 30D-20H	FNR 30D-20H	240VAC	30	3200	5	113	28	1200
NTC 40D-20H	FNR 40D-20H	240VAC	40	3200	5	113	28	1200
NTC 47D-20H	FNR 47D-20H	240VAC	47	3300	5	113	28	1200



CHINA QUALITY CERTIFICATION CENTRE