

负温度系数(NTC)热敏电阻器

Negative Temperature Coefficient (NTC) Thermistor

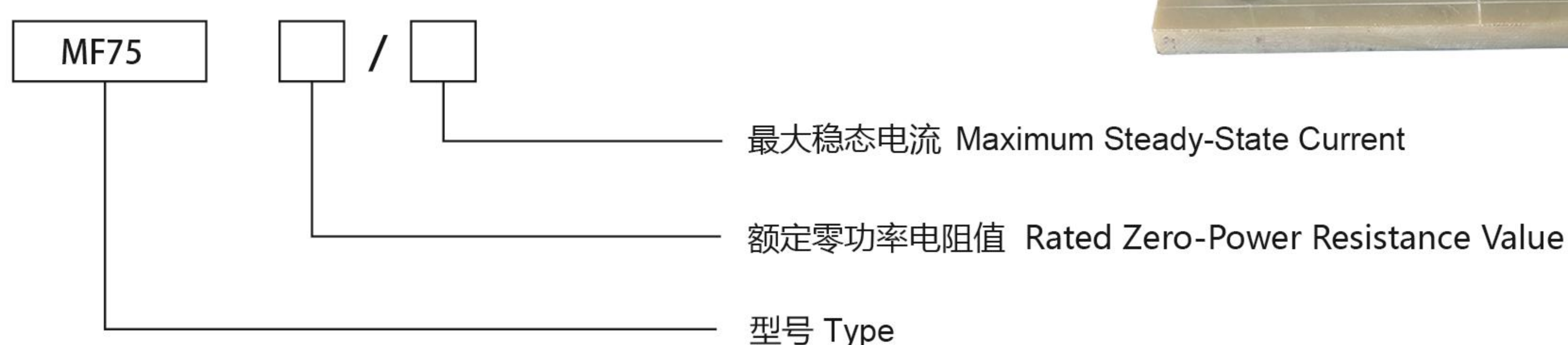
MF75超大功率型NTC热敏电阻器系列

MF75 Series NTC Thermistor for Super High-Power Inrush Current Limiting

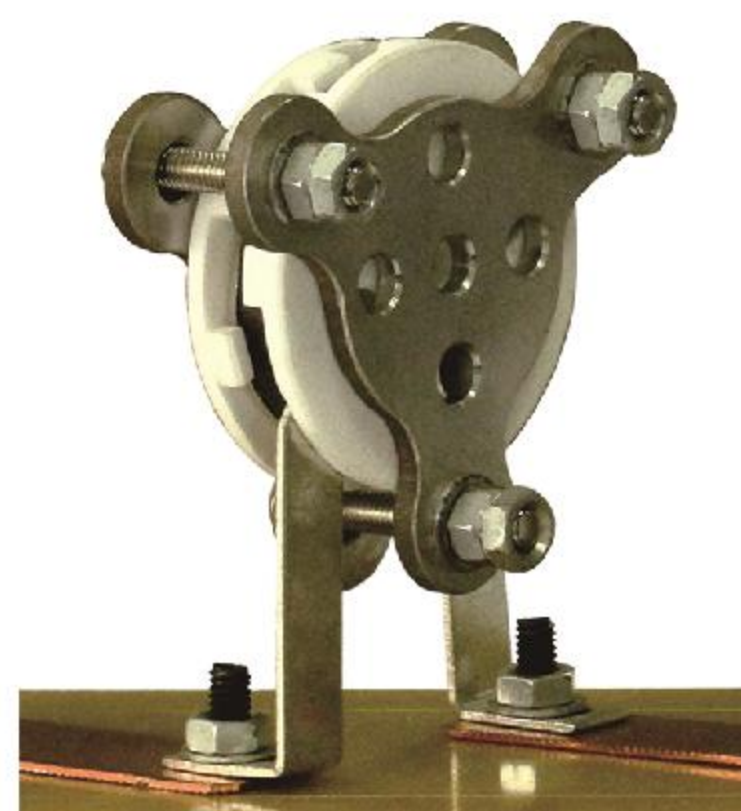
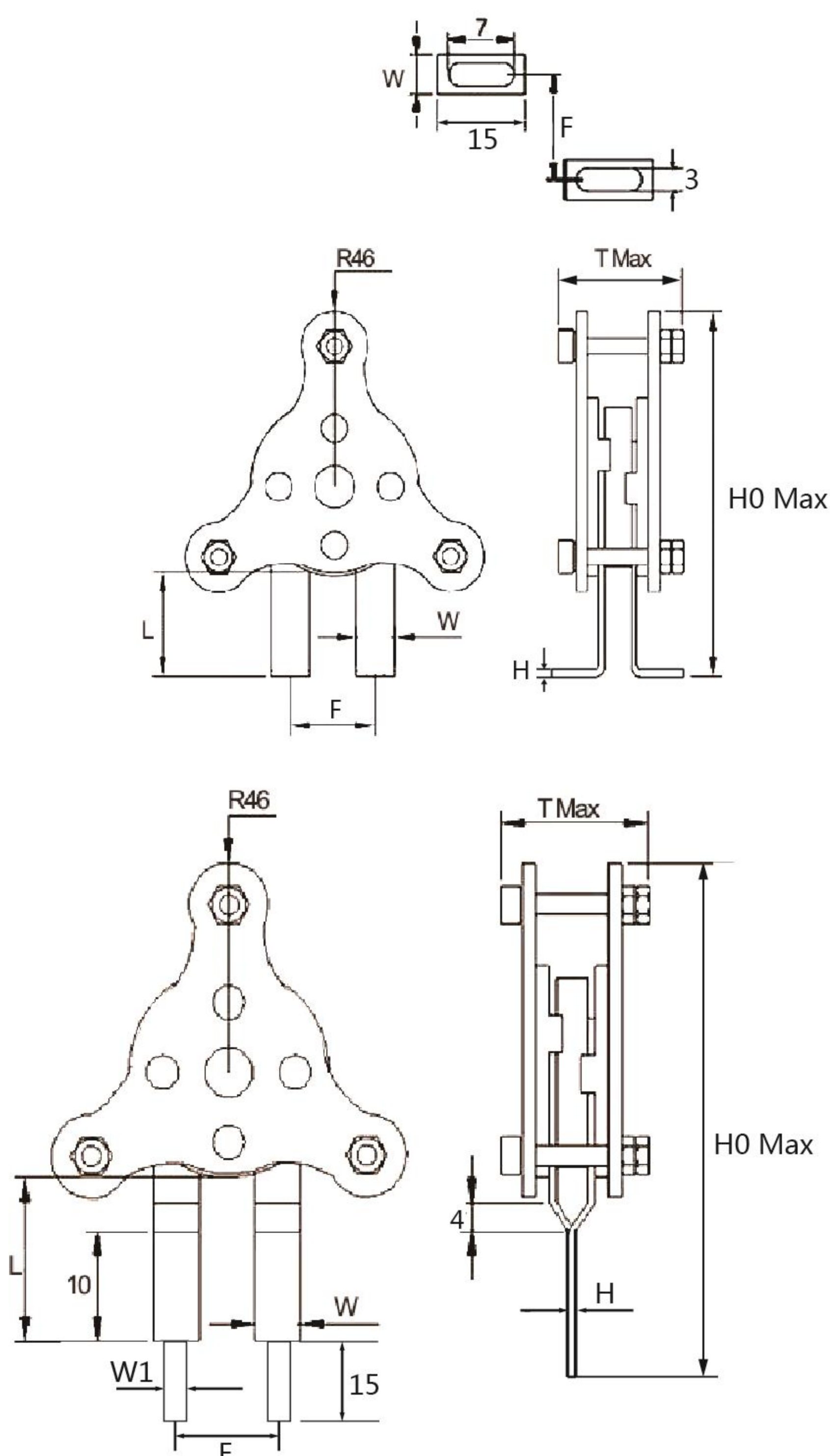
● 应用范围 Applications

- 核磁共振设备、大功率专业音频功放机、大功率环形变压器
- 大容量功率逆变器的太阳能电池板阵列
- 高压电源驱动的工业机器人
- Magnetic Resonance Imaging (MR) equipment, high-power professional audio amplifiers, high-power toroidal transformers.
- Large-capacity power inverters for solar panel arrays.
- Industrial robots driven by high-voltage power supplies.

● 产品标志说明 Marking Instruction



● 外形尺寸 Dimensions (mm)



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尺寸 Dim. (mm)	代号 Code	H0 max	L±2	W±0.2	F±1.5	Tmax	H±0.1
本体直径 Body diameter (mm)							
Φ40		110	40	12	30	46	1.2
Φ45		110	40	12	30	46	1.2
Φ50		110	40	12	30	46	1.2

尺寸 Dim. (mm)	代号 Code	H0 max	L±2	W±0.2	W1±0.2	F±1.5	Tmax	H±0.1
本体直径 Body diameter (mm)								
Φ40		110	40	12	8	30	46	1.2
Φ45		110	40	12	8	30	46	1.2
Φ50		110	40	12	8	30	46	1.2

MF75 超大功率型NTC热敏电阻器系列

MF75 Series NTC Thermistor for Super High-Power Inrush Current Limiting

● 主要技术参数 Main Technical Specifications

工作温度Operating Temperature (°C): -55~+250°C

型号 Part No.	R25±20% (Ω)	B25/50 ±10%	25°C时最大稳态电流 Max. Steady-state Current at 25°C	最大电流时近似电阻值 Approx. Resistance at Max. Current	25°C时最大额定功耗 Max. Power Rating at 25°C	最大冲击电容量 Max. Capacitance at 240 VAC
		(K)	I _{max} (A)	R _{imax} (Ω)	P _{max} (W)	(μF)
本体直径 Body diameter: Φ40mm						
MF75 0.2/55	0.2	2600	55	0.007	30	8000
MF75 0.5/50	0.5	2600	50	0.008		6800
MF75 1/45	1	2600	45	0.010		6800
MF75 1.5/40	1.5	2600	40	0.012		6800
MF75 2/35	2	2600	35	0.014		6800
MF75 2.5/33	2.5	2800	33	0.018		6800
MF75 3/32	3	2800	32	0.020		6800
MF75 4/30	4	2800	30	0.022		4700
MF75 4.7/28	4.7	3000	28	0.023		4700
MF75 5/27	5	3000	27	0.028		4700
MF75 6.8/25	6.8	3000	25	0.030		4700
MF75 8/22	8	3200	22	0.034		3300
MF75 10/21	10	3200	21	0.038		3300
MF75 12/20	12	3200	20	0.040		3300
MF75 15/18	15	3200	18	0.050		3300
MF75 18/16	18	3200	16	0.062		3300
MF75 20/15	20	3200	15	0.075		3300
本体直径 Body diameter: Φ45mm						
MF75 0.2/70	0.2	2600	70	0.006	42	11500
MF75 0.5/55	0.5	2600	55	0.007		8000
MF75 1/52	1	2600	52	0.009		8000
MF75 1.5/50	1.5	2600	50	0.011		8000
MF75 2/45	2	2600	45	0.012		8000
MF75 2.5/40	2.5	2800	40	0.015		8000
MF75 3/38	3	2800	38	0.018		8000
MF75 4/36	4	2800	36	0.020		6800
MF75 4.7/35	4.7	3000	35	0.022		6800
MF75 5/35	5	3000	35	0.025		6800
MF75 6.8/32	6.8	3000	32	0.028		6800
MF75 8/30	8	3200	30	0.030		4700
MF75 10/28	10	3200	28	0.032		4700
MF75 12/25	12	3200	25	0.034		4700
MF75 15/23	15	3200	23	0.042		4700
MF75 18/20	18	3200	20	0.061		4700
MF75 20/18	20	3200	18	0.070		4700
本体直径 Body diameter: Φ50mm						
MF75 0.2/90	0.2	2600	90	0.004	55	15000
MF75 0.5/65	0.5	2600	65	0.006		11500
MF75 1/60	1	2600	60	0.008		11500
MF75 1.5/55	1.5	2600	55	0.010		11500
MF75 2/50	2	2600	50	0.011		11500
MF75 2.5/46	2.5	2800	46	0.012		11500
MF75 3/44	3	2800	44	0.015		11500
MF75 4/42	4	2800	42	0.018		8000
MF75 4.7/40	4.7	3000	40	0.021		9000
MF75 5/40	5	3000	40	0.022		8000
MF75 6.8/35	6.8	3000	35	0.025		8000
MF75 8/32	8	3200	32	0.028		6800
MF75 10/30	10	3200	30	0.03		6800
MF75 12/28	12	3200	28	0.033		6800
MF75 15/25	15	3200	25	0.04		6800
MF75 18/22	18	3200	22	0.055		6800
MF75 20/20	20	3200	20	0.065		6800

注：若非特别指出，R₂₅的允许偏差为±20%
Note: Unless otherwise specified, the allowable tolerance for R₂₅ is ±20%.