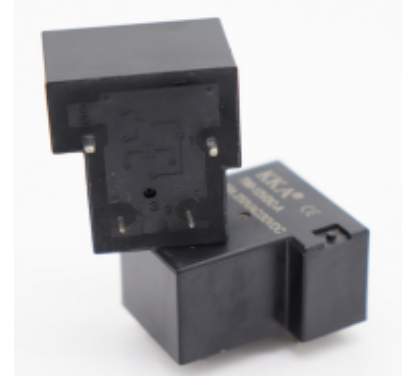


KKA T90 RELAY SERIES PRODUCT SPECIFICATION

PCB 继电器 T90

- High power&low cost
- 30A switching capability
- Less than 1W coil power
- Open sealed type available
- Class B/F available
- Size 32mm*27.4mm*19.2mm (长*宽*高)



ORDERING CODE 订购代码

T90 — 12VDC — K K A — A			
1	2	3	4
1. Relay Model 继电器型号T90	2. Coil Nominal Voltage 线圈额定电压 3,5,6,9,12,24,48VDC	3. Company : KKA	4. 触点转换形式 Z: Form C; H: Form A

COIL DATA 线圈参数 (at 20°C)

Nominal Voltage 额定电压(VDC)	5	6	9	12	18	24	48	110	0.93W
Coil Resistance 线圈阻值($\Omega \pm 10\%$)	27	39	87	155	350	620	2480	13010	
Rated Current 额定电流 (mA)	186	155	103	77.5	52	39	19	9	
Max Operate Voltage 最大吸合电压(VDC)	3.75	4.5	6.75	9	13.5	18	36	82.5	
Min Release Voltage 最小释放电压(VDC)	0.5	0.6	0.9	1.2	1.8	2.4	4.8	11	
Max Applicable Voltage 最大过载电压	70°C时额定电压的 130%，23°C时额定电压的 170%								

CONTACT DATA 触点参数

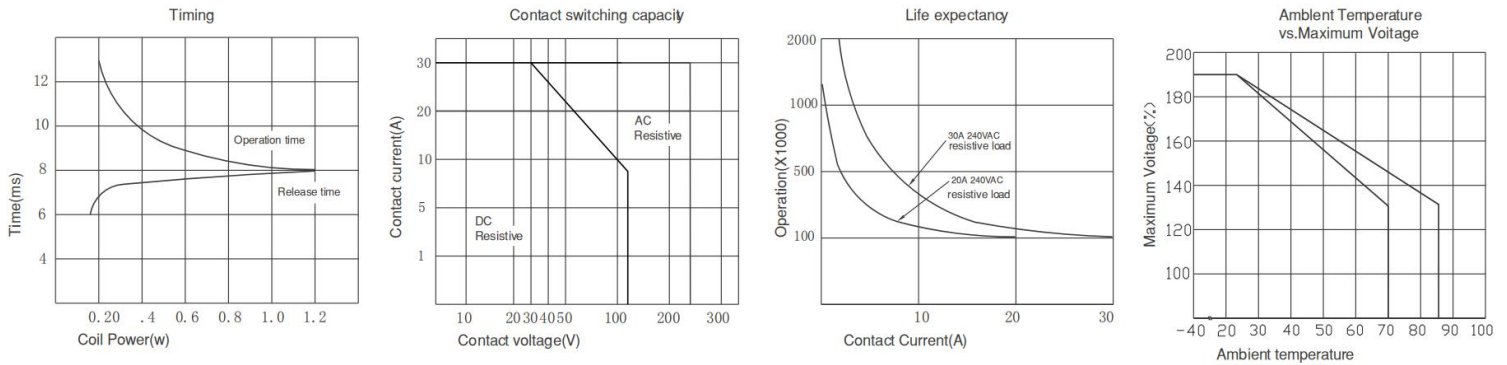
Contact Form 触点形式	1H/1D/1Z
Contact Material 触点材料	Silver Alloy
Load 负载	Resistive load(COS Φ =1)
Contact Ratings 触点负载	30A 250VAC 30A 28VDC
Minimum load 最小负载	500mA 5VDC
Max Switching Voltage 最大转换电压	250VAC/30VDC
Max Switching Current 最大转换电流	30A
Max Switching Power 最大转换功率	7500VA/840W
Contact Resistance 接触电阻	100m Ω Max at 6VDC 1A
Life Expectancy 寿命	Electrical 电气寿命 : 100,000 Operations(at30Operations/minute)
	Mechanical 机械寿命 : 10,000,000 Operations(at300Operations/minute)

KKa T90 RELAY SERIES PRODUCT SPECIFICATION

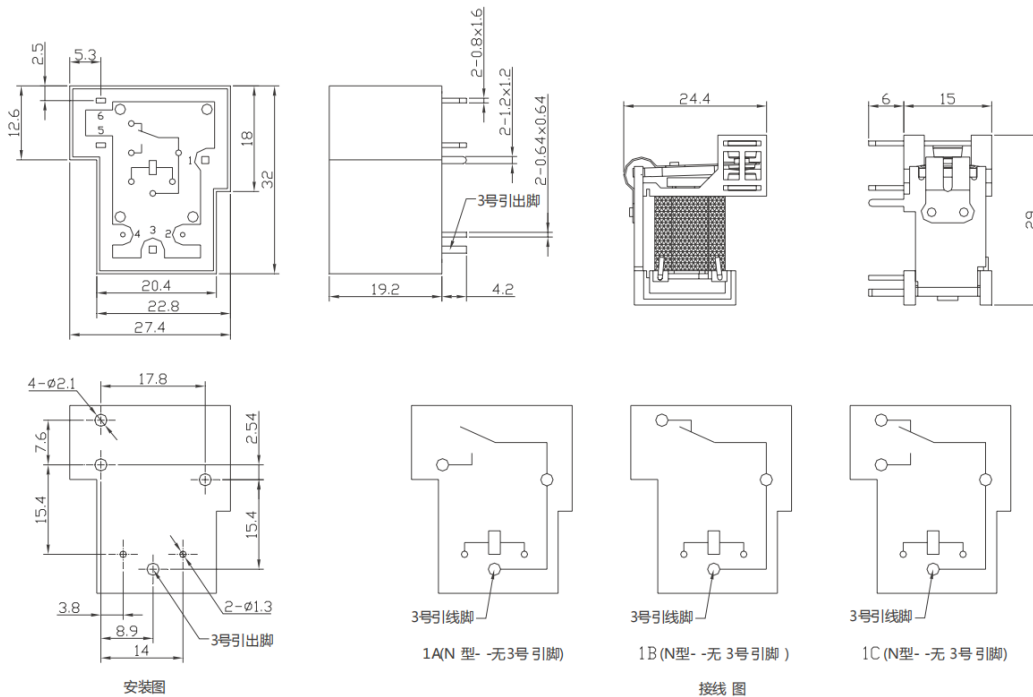
CHARACTERISTICS DATA 性能参数

Insulation Resistance 绝缘阻值	100MΩMin at 500VDC
Dielectric Strength Between Open Contacts 触点间耐压	1500VAC(for one minute)
Between Contacts and coil 触点与线圈间耐压	1500VAC/2500VAC(for one minute)
Operate Time 吸合时间	15ms
Release Time 释放时间	10ms
Temperature Range 环境温度	-40°C to +70°C (Class F:85°C)
Shock Resistance 冲击	Operating Extremes 动作极限 : 10G
	Damage Limits 破坏极限 : 100G
Vibration Resistance 振动	10-55Hz, 1.5mm
	Max. switching frequency 最大转换频率
Humidity 湿度	40-85%
Weight 重量	Approx 36g

ENGINEERING DATA 设计参数



OVERALL AND MOUNTING DIMENSIONS 安装图



- 1、产品部分外形尺寸中未注尺寸公差：当外形尺寸 $\leq 1\text{mm}$ 时，公差为 $\pm 0.2\text{mm}$ ；当外形尺寸在 $1\sim 5\text{mm}$ 时，公差为 $\pm 0.3\text{mm}$ ；当外形尺寸 $> 5\text{mm}$ 时，公差为 $\pm 0.4\text{mm}$ 。
- 2、安装孔尺寸中未注尺寸公差均为 $\pm 0.1\text{mm}$ 。