

MICON 5, SMT在下方, 5,5 ± 1,1 N, 1 常开



主要应用领域

- 测量-控制-校准
- 机械制造
- 汽车
- 电子医学

特性

- 金触点, 可在低电流情况下安全可靠开关电路
- 独特的触感反馈
- 体积小 (5.1 x 6.4 mm), 包装密度高
- 操作力度不同
- 通过柱塞对按键面板的环形和全发光
- 通过柱塞使结构高度可变
- 焊接技术: SMT
- 根据DIN EN ISO 9001标准通过产品标签有可追溯性



描述

MICON 5 短行程按钮是极为安全的开关组件, 所需空间非常小。您可单独、并排或作为键盘排列。如在膜下使用, 我们建议MICON5按钮带有柱塞, 特性如下:

- 适用于重要的焊接技术
- 波焊槽用于THT版本
- 回流焊接用于SMT版本
- 蒸汽相焊接用于SMT版本
- 手焊
- 使用SMT自动放置机处理SMT版本
- IMDS-输入

MICON 5, SMT高度低仅为3.45mm 处理说明: 特殊移液器 (西门子Siplace订单号348514-02) 带转塔头装配。模板印刷建议: 150?米模板, 焊盘面积减少10%

技术参数

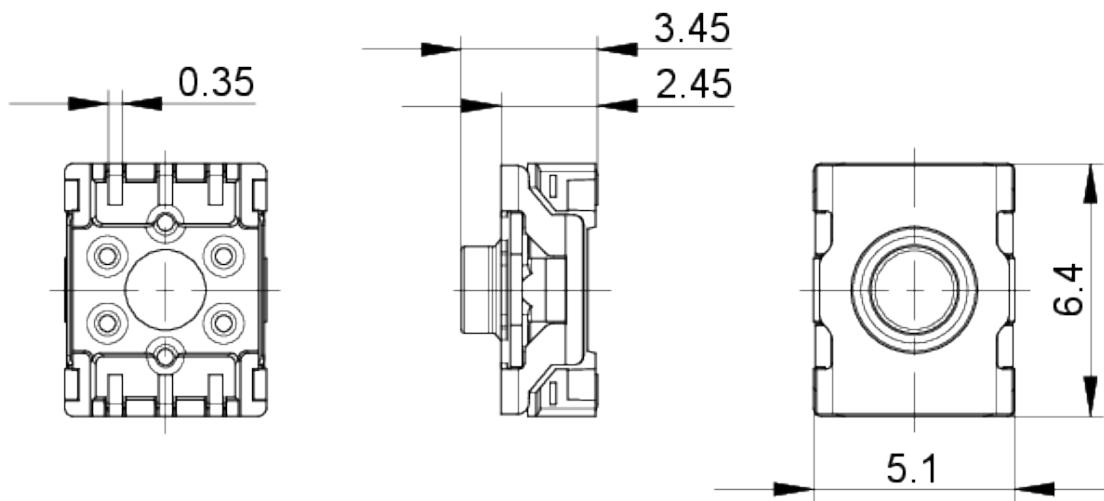
➤ 一般

工作温度, 最低	-40 °C	直接链接
存储温度, 最低	-40 °C	➤ RAFI eCatalog
工作温度, 最高	90 °C	
存储温度, 最高	90 °C	
可发光	否	
焊接技术	回流	
焊接耐热强度, 根据标准	DIN EN 60068-2-58 DIN EN 61760-1	
包装	透明塑料	
包装数量	2,100 碎片	

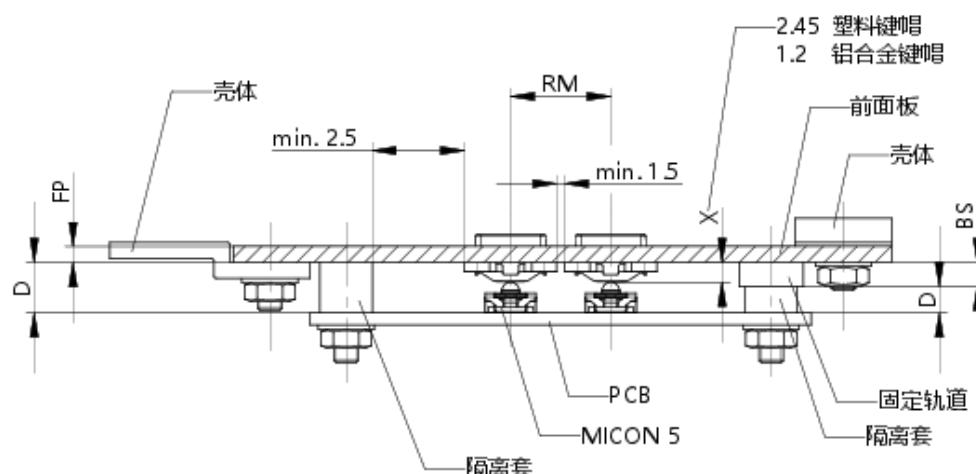
净重	0.3 公克
使用寿命	1,000,000 次
B10	1,300,000 次
MSL Moisture Sensitivity Level	1
抗冲击性, 遵照IEC 60068-2-27标准	100g在6ms振幅半正弦
抗振强度遵照IEC 60068-2-6标准	10...500 Hz为5克
MOQ 秩序	2,100 碎片
RoHS 一致性	是
REACH 一致性	是
› 安装尺寸	
安装高度	3.45 ± 0.1 毫米
矩阵安装间距, 最少	6 x 7.8 毫米
外径尺寸	6.4 ± 0.1 毫米
外径尺寸	5.1 ± 0.1 毫米
正面高度	3.45 ± 0.1 毫米
› 机械特性	
操作功能	触感的
操作力, 最大	8 N
操作力, 最小	5.5 ± 1.1 N
行程	0.7 ± 0.15 毫米
触点功能	1 常开
触点系统	跳跃式触点
触点材料	金
背面端子	SMT
可焊接性	是
› 电气特性	
额定电压, 最小	0.02 V
额定电压, 最大	35 V
抗电强度	250 V
额定电流, 最小	0.00001 A
额定电流, 最大	0.1 A
额定功率, 最大	1 Watt

图纸

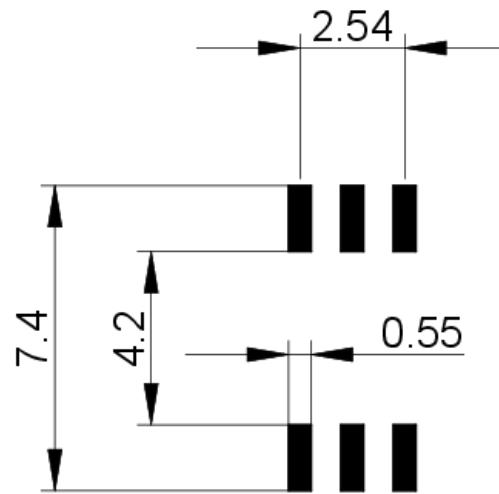
尺寸图



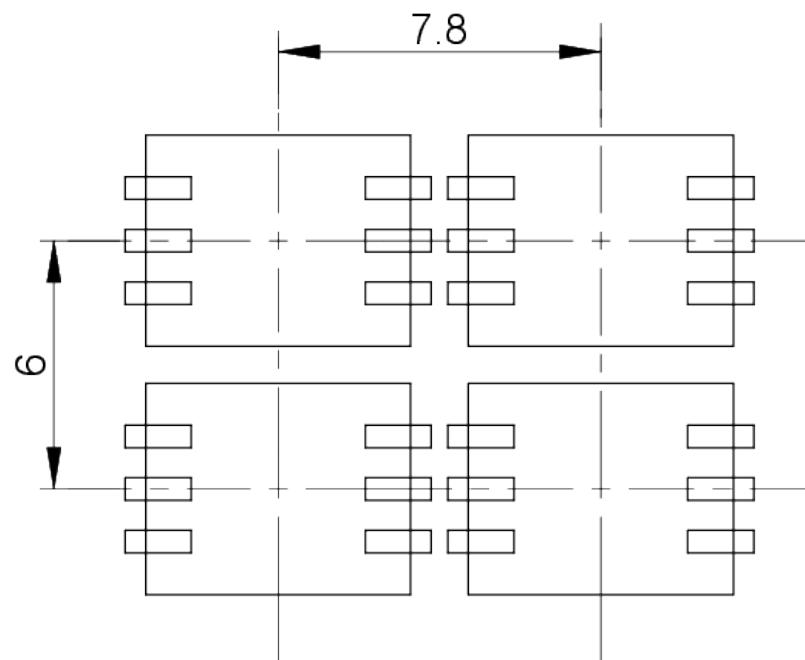
系统示意图



PCB示意图

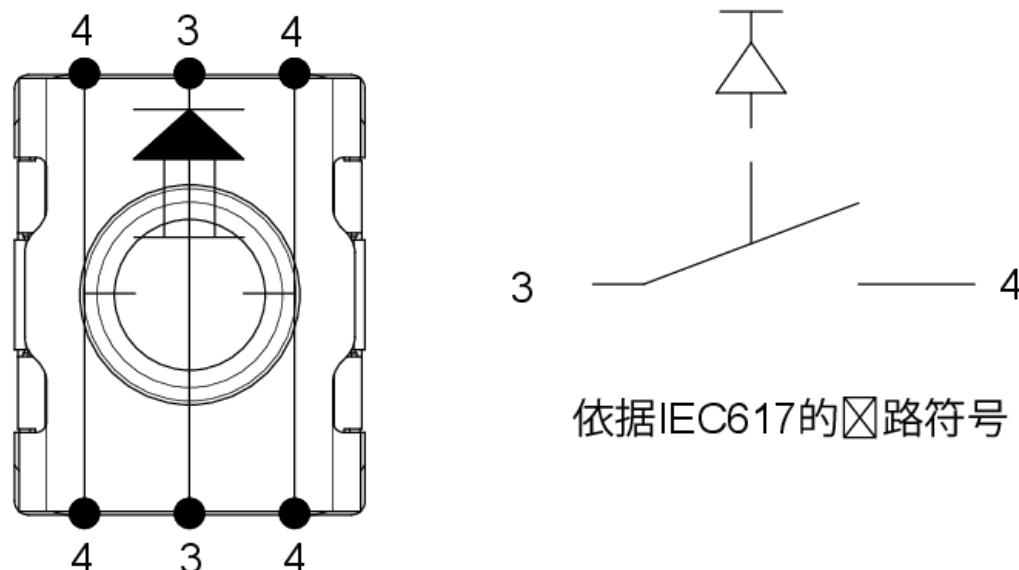


PCB示意图

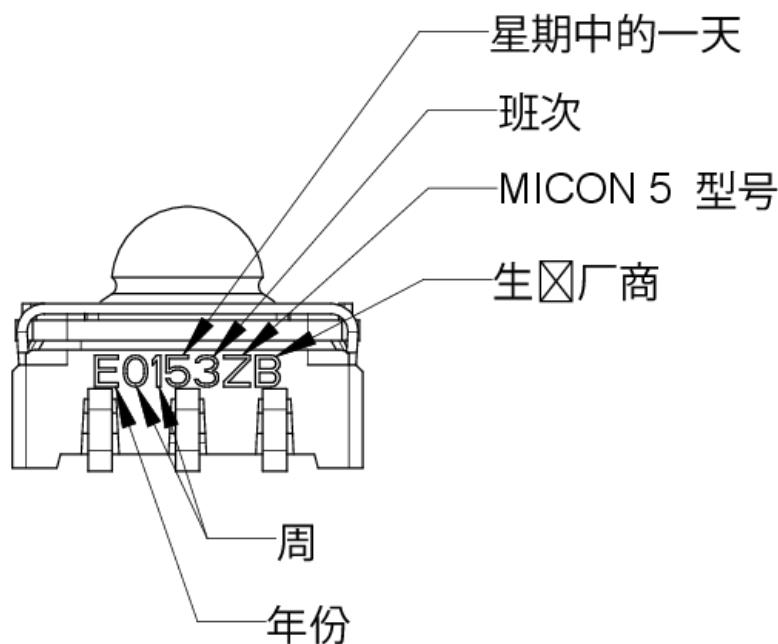


MICON 5 SMT

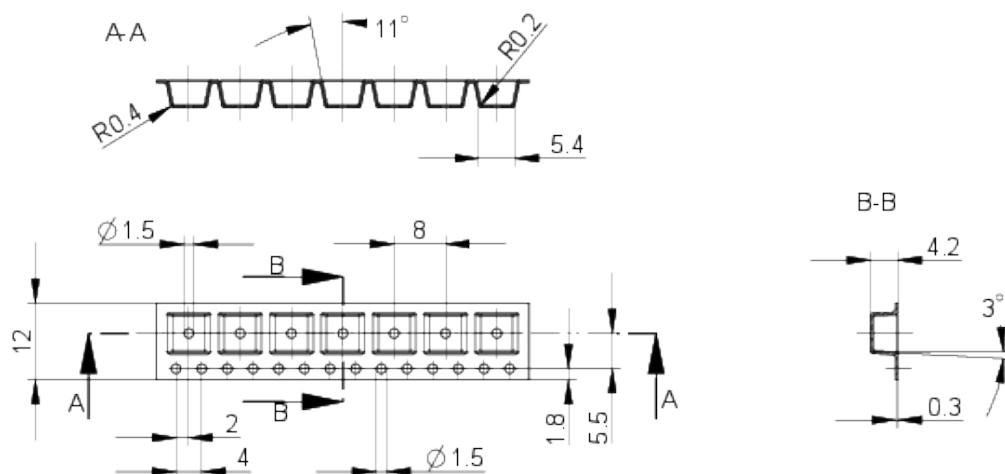
原理图



产品标签图



包装示意图



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版本: 2023年3月3日 页数: 6/7

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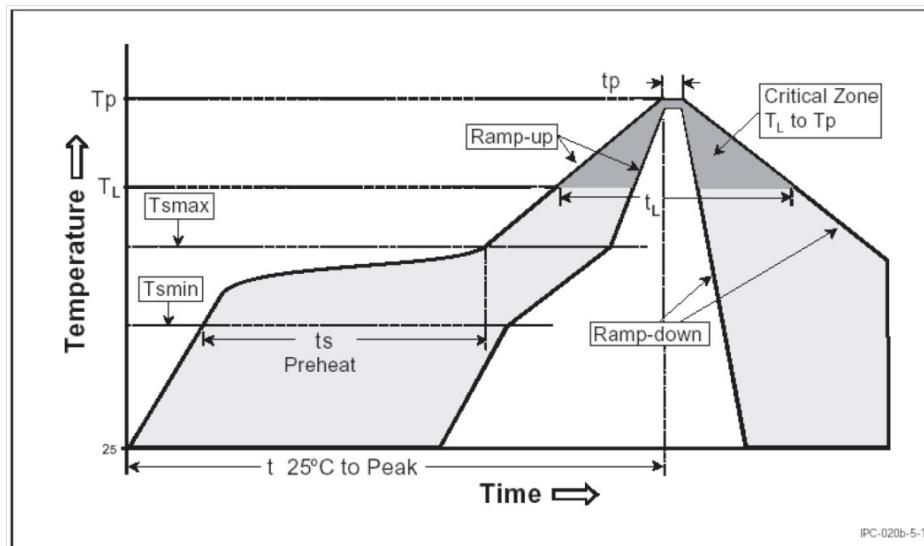
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安装

RAFI soldering profile for ROHS compliant reflow components



Publication date: October 7, 2021



Parameter	RAFI values
Gradient (T_L to T_p)	max. 3°C / s
Preheating zone	
Minimum temperature (T_{smin})	150°C
Maximum temperature (T_{smax})	200°C
Time (from min. to max.) (t_s)	60 - 120 s
Gradient (T_{smax} to T_L)	max. 3°C / s
Time over melting temperature (T_L) time (t_L)	217°C 60 - 150 s
Peak temperature (T_p)	max. 260°C (+0°C)
Time within peak temperature - 5°C (t_p)	20-40 s
Gradient ramp down	max. 6°C / s
Time difference from 25°C to peak temperature	max. 8 minutes

The reflow soldering profile is based on the definition of Jedec J-STD-020D.

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