RACON 12 O, high, SMT, 3.5 N, 1 NO

REPLACEMENT

Description



CE

technical data

general

Operating temperature, min.	-40 °C
Operating temperature, max.	80 °C
Storage temperature, min.	-50 °C
Storage temperature, max.	85 °C
illuminated	No
Packaging unit	500 pcs.
Net weight	1.2 g
Operating life	1,000,000 cycles
B10	1,300,000 cycles
Degree of protection, front side, according to DIN EN 60529	IP54 IPx7
Degree of protection, rear side, according to DIN EN 60529	IP54 IPx7
MSL Moisture Sensitivity Level	1
Corrosive gas testing according to standard	Yes
Minimum order quantity (MOQ)	500 pcs.
RoHS compliant	Yes
REACH compliant	Yes
Product code	0G

mounting diameters

Grid, min.	15.24 x 16.50 mm

mechanical data

Actuation function	momentary contact function
Operating force, min.	3.5 N
Contact function	1 NO
Contact system	Snap-action contact SPST - Single Pole Single Throw
Contact material	Gold
Switching travel	0.8 mm

electrical data

direct links

RAFI eCatalog

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Rated voltage, min.	0.02 V
Rated voltage, max.	35 V
Rated current, min.	0.00001 A
Rated current, max.	0.1 A
Rated power, max.	1 W

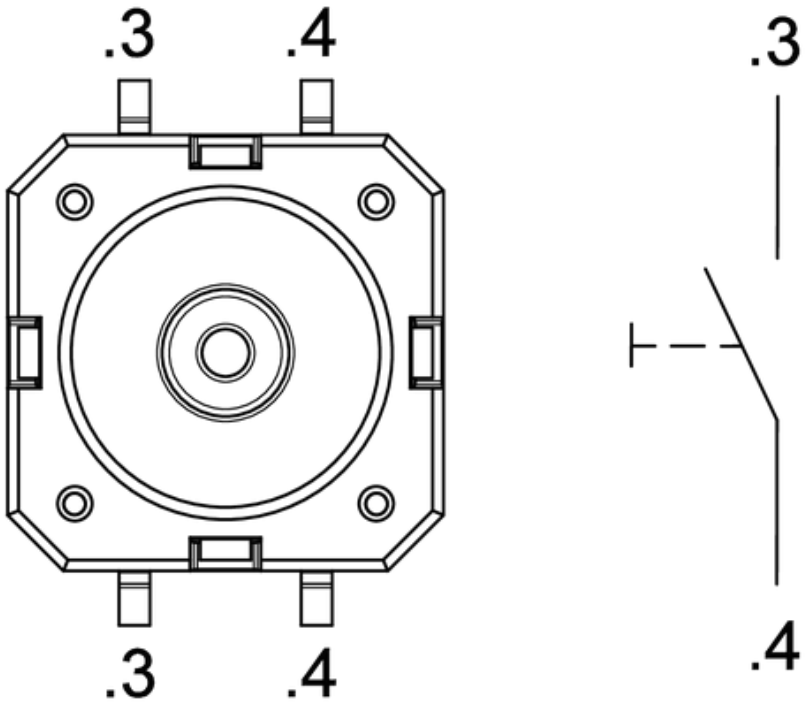
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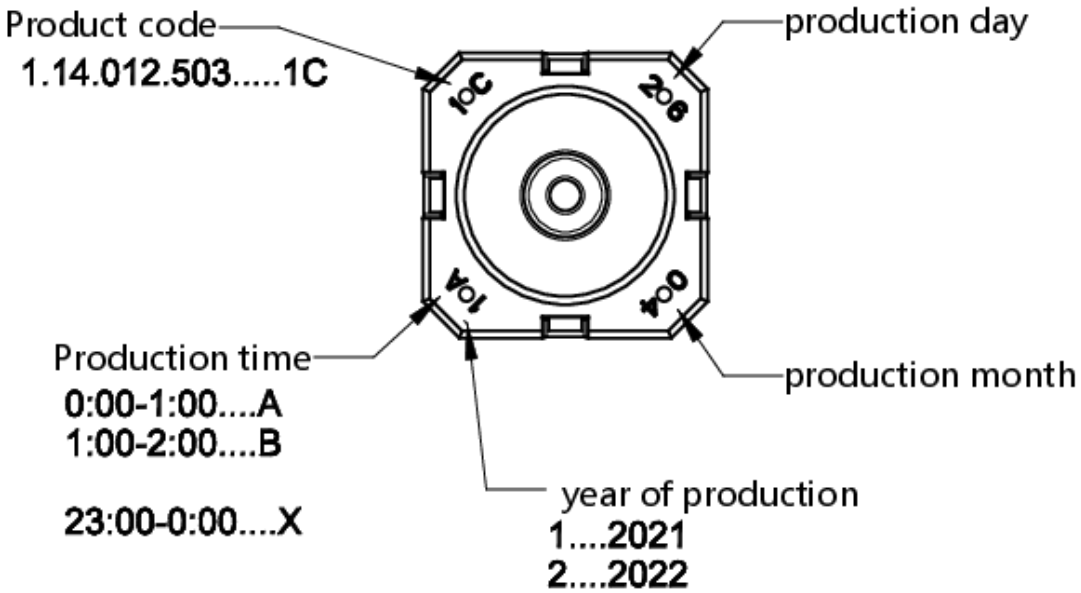
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drawings

Schematic diagram



Product labeling drawing



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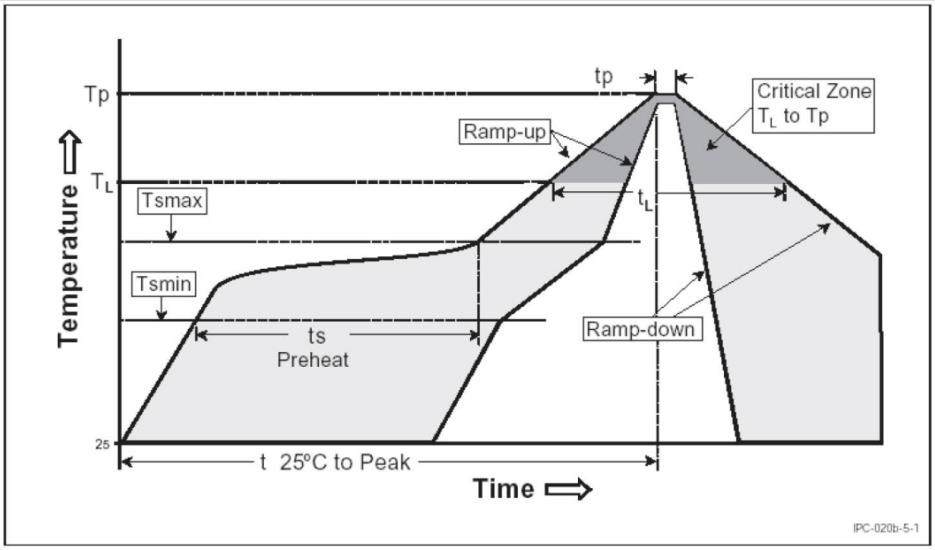
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mounting

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}) Maximum temperature (T_{smax}) Time (from min. to max.) (ts)	 150°C 200°C 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 (tp)	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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