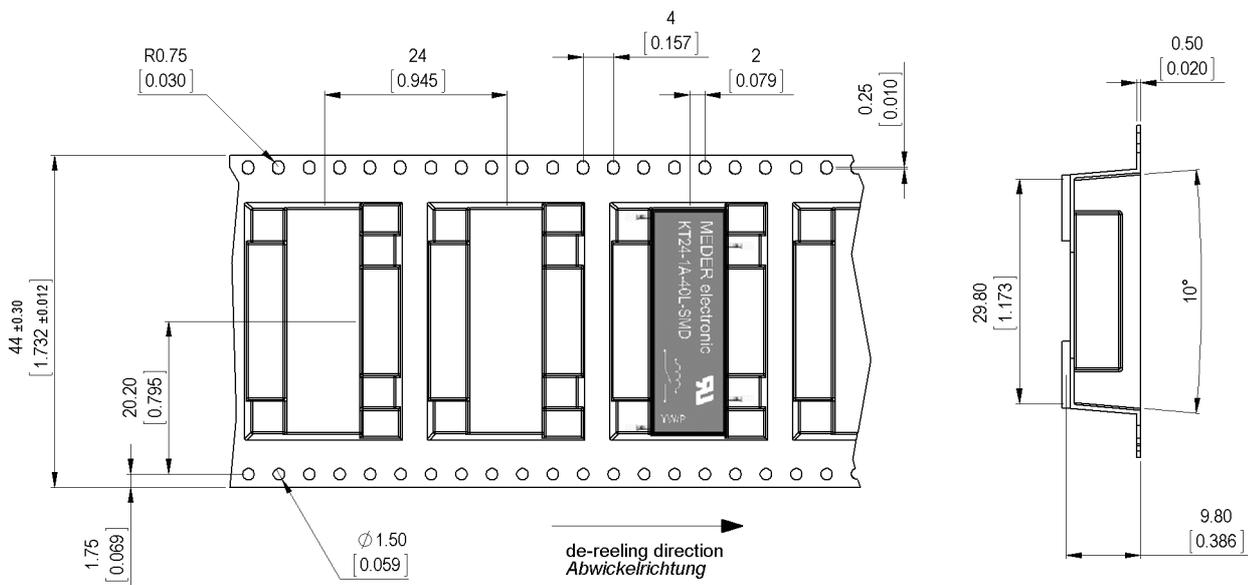
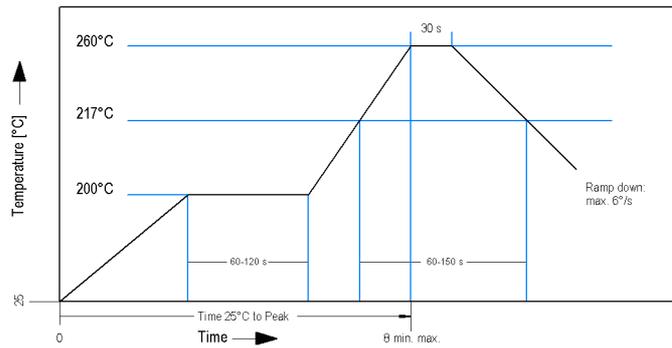


reflow soldering conditions according to JEDEC norm J-STD 020D.1





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Item No.:
9024185401
 Item:
KT24-1A-40L-SMD

| Coil Data at 20 °C | Conditions | Min | Typ | Max | Unit |
|--------------------|------------|-------|-------|-------|------|
| Coil resistance | | 1.620 | 1.800 | 1.980 | Ohm |
| Coil voltage | | | 24 | | VDC |
| Rated power | | | 320 | | mW |
| Thermal resistance | | | 80 | | K/W |
| Inductance | | | 430 | | mH |
| Pull-In voltage | | | | 16 | VDC |
| Drop-Out voltage | | 2,9 | | | VDC |

| Contact Data 85 | Conditions | Min | Typ | Max | Unit |
|------------------------------|---|-----|-----|-------|-------|
| Contact rating | Any DC combination of V & A not to exceed their individual max.'s | | | 100 | W |
| Switching voltage | DC or Peak AC | | | 1.000 | V |
| Switching current | DC or Peak AC | | | 1 | A |
| Carry current | DC or Peak AC 100% Duty Cycle | | | 2,5 | A |
| Contact resistance static | Measured with 40% overdrive | | | 150 | mOhm |
| Contact resistance dynamic | Maximum value 1,5 ms after excitation | | | 200 | mOhm |
| Insulation resistance | RH <45 %, 100 V test voltage | 10 | | | GOhm |
| Breakdown voltage (40-50 AT) | according to EN 60255-5 | 3 | | | kV DC |
| Capacitance | @ 10 kHz across open switch | | 0,5 | | pF |

| Special Product Data | Conditions | Min | Typ | Max | Unit |
|------------------------------------|------------------------------------|---------------------------|-----|-----|-------|
| Dielectric Strength Coil/Contact | according to EN 60255-5 | 7 | | | kV DC |
| Insulation resistance Coil/Contact | RH <45%, 200 VDC Measuring Voltage | 1 | | | TOhm |
| Capacity Coil/Contact | @ 10 kHz | | 1,2 | | pF |
| Housing material | | mineral filled epoxy | | | |
| Approval | | UL-File Nr. NRNT2.E156887 | | | |
| Reach II / RoHS conformity | | yes | | | |

| Environmental data | Conditions | Min | Typ | Max | Unit |
|-----------------------------|------------------------------------|--------------|-----|-----|------|
| Shock | 1/2 sine, duration 11ms, in 3 axis | | | 30 | g |
| Vibration | from 10 - 2000 Hz | | | 20 | g |
| Ambient temperature | | -40 | | 100 | °C |
| Storage temperature | | -40 | | 125 | °C |
| Soldering Temperature Tsold | Reflow acc.IPC/JEDEC J-STD-020D.1 | | | 260 | °C |
| Washability | | fully sealed | | | |

| General data | Conditions | Min | Typ | Max | Unit |
|--------------|------------|------------------|-----|-----|------|
| Packaging | | T&R per 250 pcs. | | | |

Modifications in the sense of technical progress are reserved

Designed at: 19.01.11 Designed by: SWANG
 Last Change at: 22.09.15 Last Change by: AAI

Approval at: 27.07.12 Approval by: CRUF
 Approval at: 23.09.15 Approval by: DSTASTNY

Version: 08