

knitter-switch

Product Change Notice P13-2022

Products affected: TMSE 10, TMSE 10 J

Effectivity date: after current stock is sold

Details:

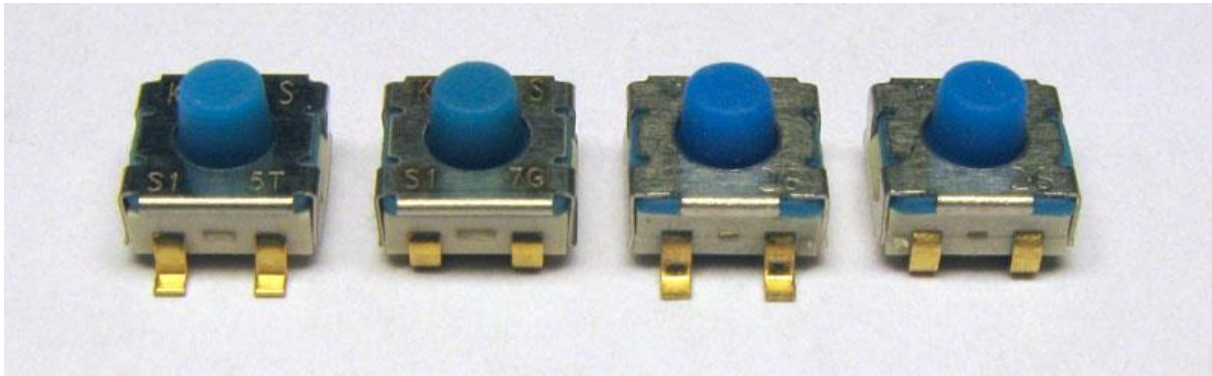
In course of relocation of production the design has completely been revised and updated.

There are no relevant changes in outer dimensions and specification.

The packing changes: The reel has been changed to the standardized diameter of 330 mm and the packing unit is now 1000 pcs per reel (previously 500 pcs).

The width of carrier tape, pitch of pockets and the orientation of the switch in the carrier tape remain unchanged.

For comparison, please find both old and new data-sheet of both part-numbers attached.



old J version
Drawing 300750

old version
Drawing 300749

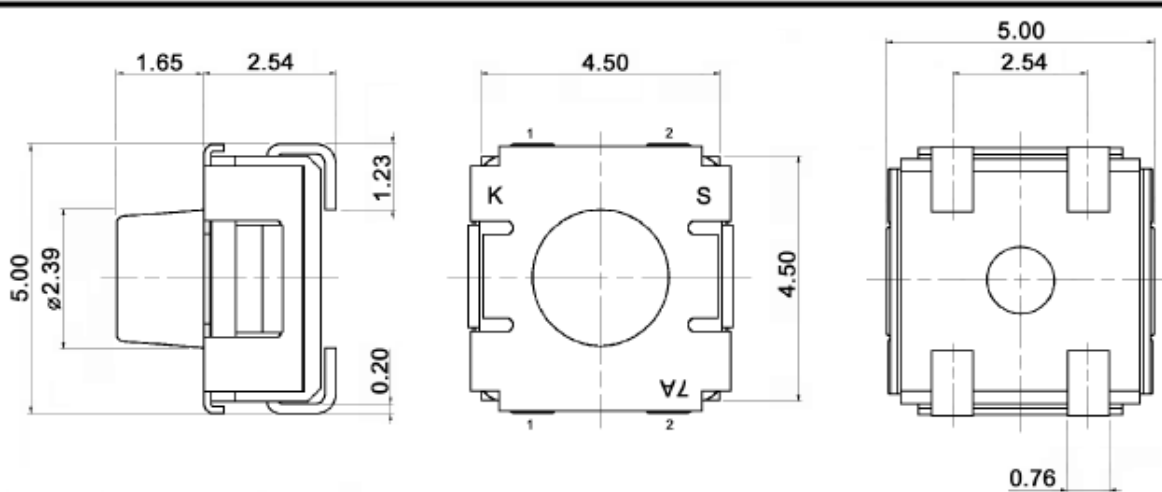
new J version
Drawing 304899

new version
Drawing 304898

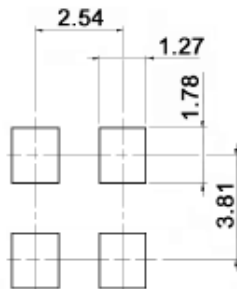
knitter-switch - Baldham, December 2022

Oliver Kluj
Technical Director

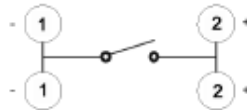
knitter-switch



P.C. LAYOUT



SCHEMATIC



Month	Date code 2-digit
Jan	A
Feb	B
Mar	C
Apr	E
May	F
Jun	G
Jul	H
Aug	J
Sep	N
Oct	P
Nov	S
Dec	T

2-digit date code:
 - first digit indicates year of manufacture
 - second digit indicates month of manufacture

Specifications:

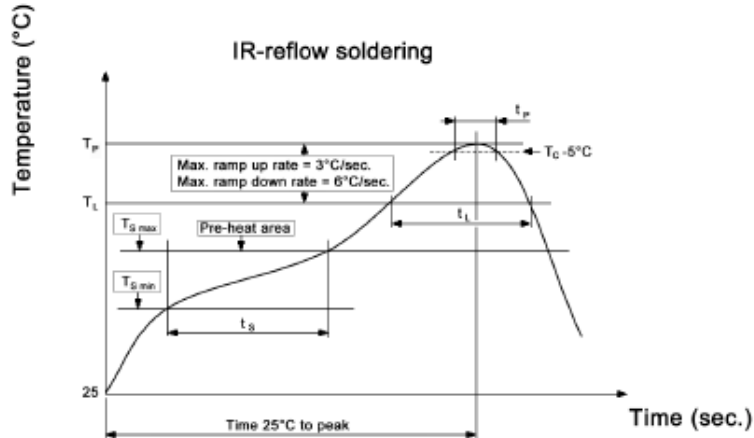
Contact rating: 24V DC, 100mA max.
Contact resistance: <100mOhm
Insulation resistance: >100MOhm at 500V DC
Dielectric strength: 250V AC, 50Hz for the duration of 1 minute
Operating temperature: -55°C to +125°C
Electrical life: min. 100 000 cycles
Operating force: 3 +/-1N
Contacts: silver plated
Terminals: gold plated
Mounting: on pc-board - SMD
Soldering conditions: max.: 5sec, 260°C
Material: Cover: stainless steel
 Base: high-temp. thermoplastic nylon meets UL94V-0, washable
 Stem: silicone rubber
Sealing: According to IP65, washable at 70°C max.



Tolerances: ±0.30mm except where noted		Date	Name	<h2>TMSE 10 J</h2>
		12/05	dr	
Tolerances	11/11	dr		<h2>30 07 50</h2>
Revised	09/10	dr		
Digit date code	11/09	dr	knitter-switch	
Material	10/06	dr		
Modifications	Date	Name		
				Page 1/2

knitter-switch

Soldering conditions:



$T_p = 260^\circ\text{C}$
 $t_p = 10\text{sec. max.}$

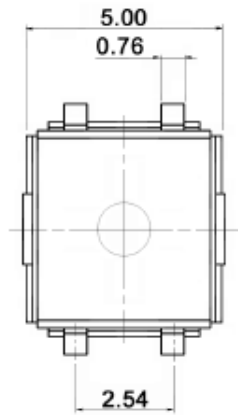
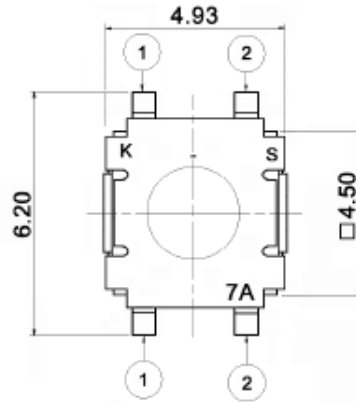
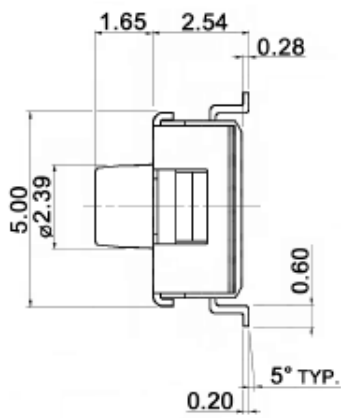
$T_L = 217^\circ\text{C}$
 $t_L = 90\text{sec. max.}$

$T_{S\ max} = 200^\circ\text{C}$
 $T_{S\ min} = 150^\circ\text{C}$
 $t_S = 120\text{sec. max.}$

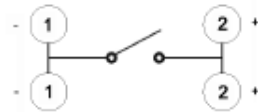


Tolerances: $\pm 0.20\text{mm}$ except where noted		Date	Name	TMSE 10 J
		12/05	dr	
		knitter-switch		30 07 50
Modifications	Date	Name		Page 2/2

knitter-switch

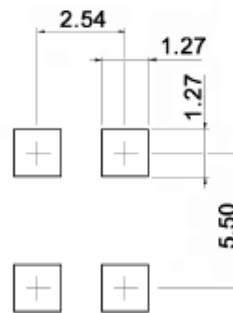


SCHEMATIC



Month	Date code 2-digit
Jan	A
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P.C. LAYOUT



2-digit date code:

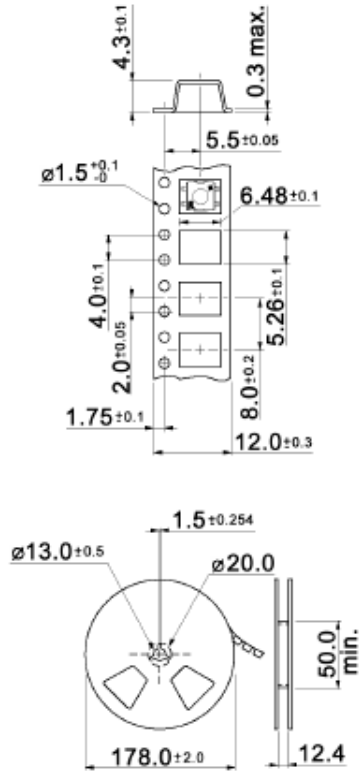
- first digit indicates year of manufacture
- second digit indicates month of manufacture



Tolerances: $\pm 0.30\text{mm}$ except where noted		Date	Name	TMSE 10
		12/05	dr	
Tolerances	11/11	dr		30 07 49
Dimension	11/10	dr		
Digit date code	11/09	dr		Page 1/3
Height of case	12/06	dr		
Material	10/06	dr		
Modifications	Date	Name		

knitter-switch

Packaging:

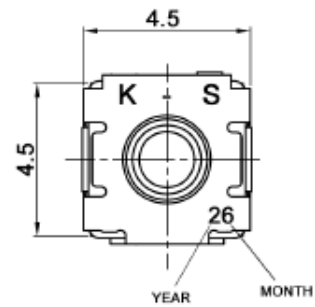
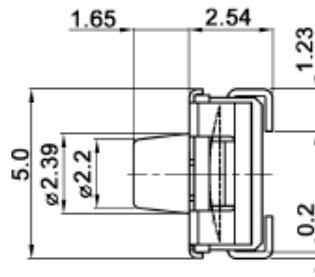
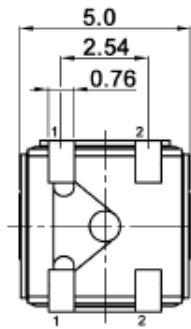
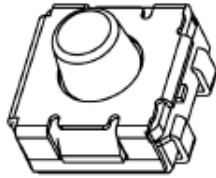


Packaging unit: 500 pcs. / reel

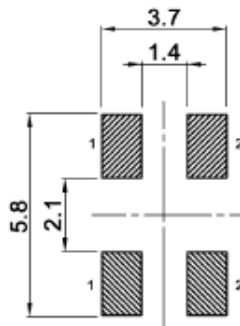


Tolerances: $\pm 0.20\text{mm}$ except where noted		Date	Name	TMSE 10
		12/05	dr	
		knitter-switch		30 07 49
Modifications		Date	Name	Page 3/3

knitter-switch



P.C.B. LAND DIMENSIONS



Year	Date code 1-digit	Month	Date code 2-digit
2022	2	Jan	1
2023	3	Feb	2
2024	4	Mar	3
2025	5	Apr	4
2026	6	May	5
2027	7	Jun	6
2028	8	Jul	7
2029	9	Aug	8
2030	0	Sep	9
2031	1	Oct	0
2032	2	Nov	N
		Dec	D

CIRCUIT DIAGRAM



Compliance: RohS III (2015/863/EU)

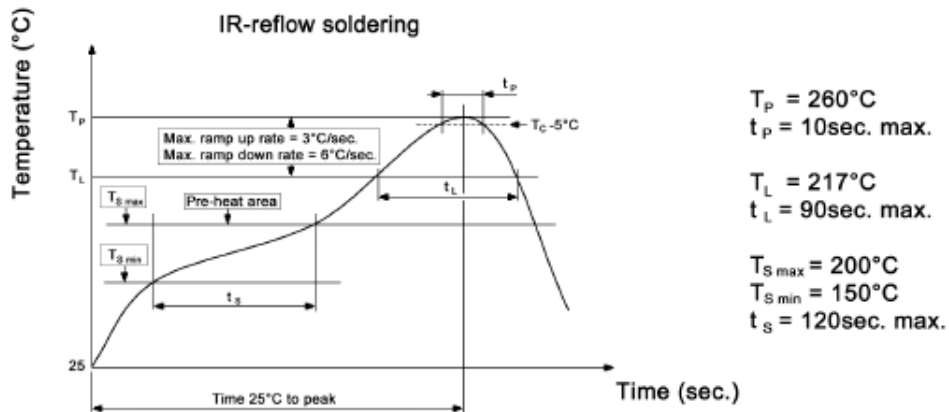
Tolerances: up to 10: ±0.2 mm above 10-50: ±0.3 mm		Date	Name	<h1>TMSE 10 J</h1>
		10/22	dr	
		knitter-switch		<h1>30 48 99</h1>
Modifications	Date	Name		Page 1/3

knitter-switch

Specifications:

Contact rating: 100 mA, 24 V DC
Contact resistance: 100 mOhm max.
Insulation resistance: 100 MOhm min. at 500 V DC for 1 minute
Dielectric strength: 250 V AC (50/60 Hz, 2 mA) for 1 minute
Operating temperature: -55°C to +125°C
Mechanical life: 100 000 cycles min.
Operating force: 3 N +/- 1 N
Material: Stem: silicone rubber, blue
 Contact: SUS, 0.125 µm silver plated over 0.025 µm nickel
 Cover: stainless steel
 Base: LCP, white
 Terminal: brass, 0.075 µm gold plated over 0.025 µm nickel

Soldering conditions:

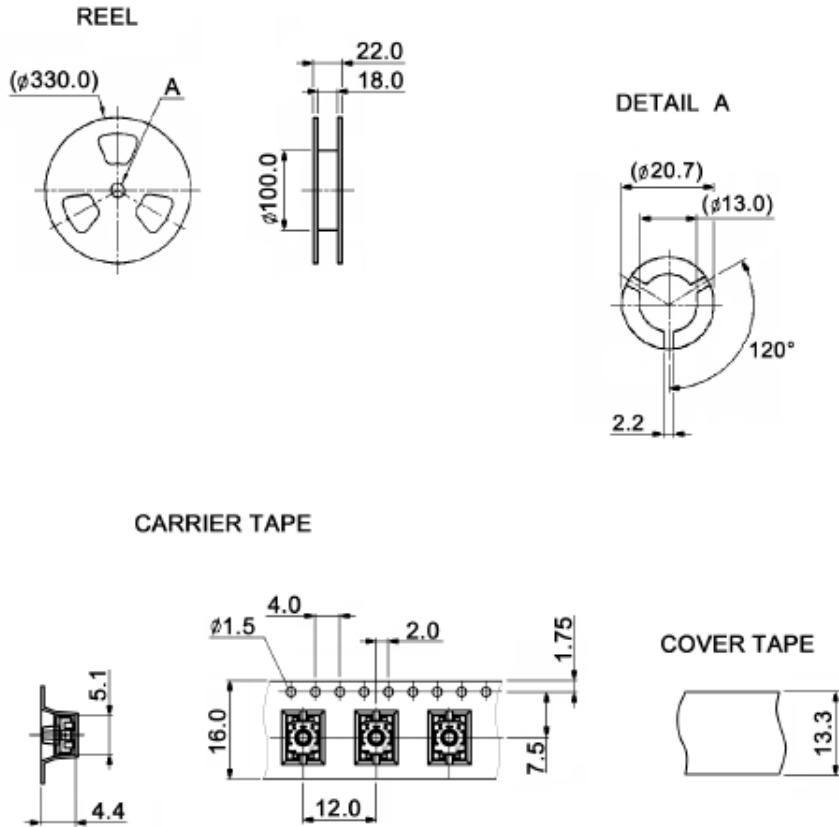


Compliance: RohS III (2015/863/EU)

Tolerances: up to 10: ±0.2 mm above 10-50: ±0.3 mm		Date	Name	TMSE 10 J
		10/22	dr	
		knitter-switch		30 48 99
Modifications	Date	Name		Page 2/3

knitter-switch

Packaging:

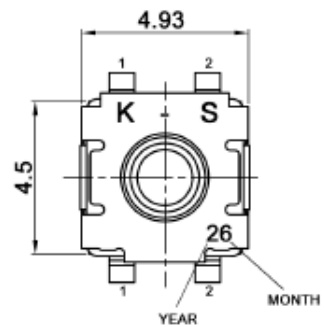
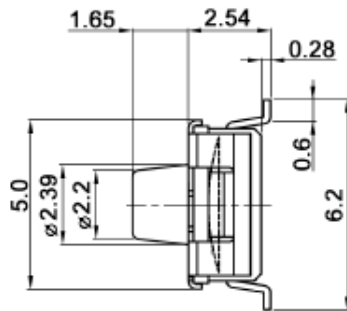
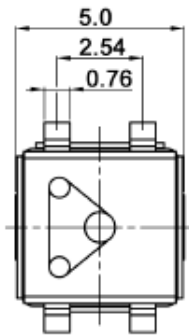
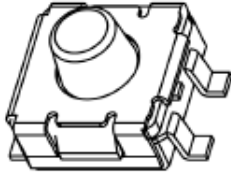


Packaging unit: 1000 pcs. / reel

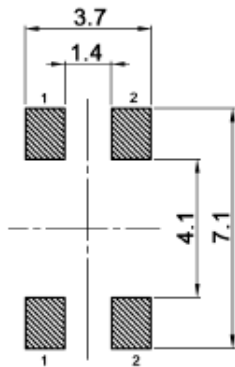
Compliance: RohS III (2015/863/EU)

Tolerances: up to 10: ± 0.2 mm above 10-50: ± 0.3 mm		Date	Name	TMSE 10 J
		10/22	dr	
			knitter-switch	30 48 99
Modifications	Date	Name		Page 3/3

knitter-switch

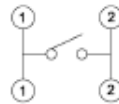


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2032	2	Nov	N
		Dec	D

CIRCUIT DIAGRAM



Compliance: RohS III (2015/863/EU)

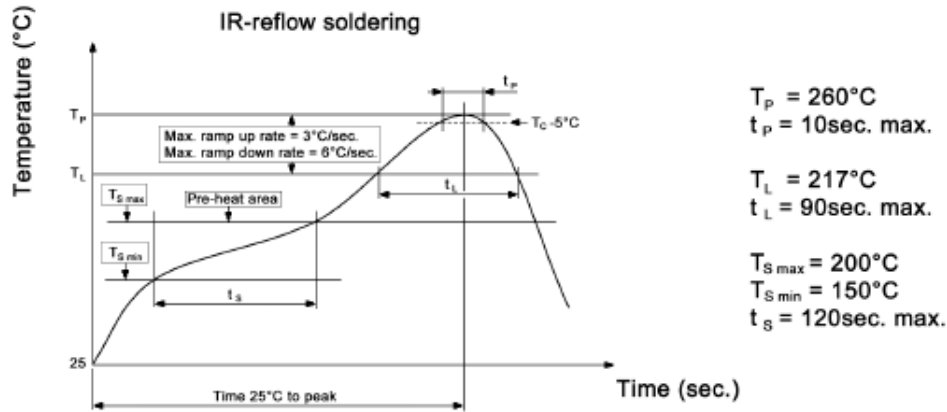
Tolerances: up to 10: ±0.2 mm above 10-50: ±0.3 mm	Date	Name	TMSE 10	
	10/22	dr		
			30 48 98	
			Page 1/3	
Modifications	Date	Name		

knitter-switch

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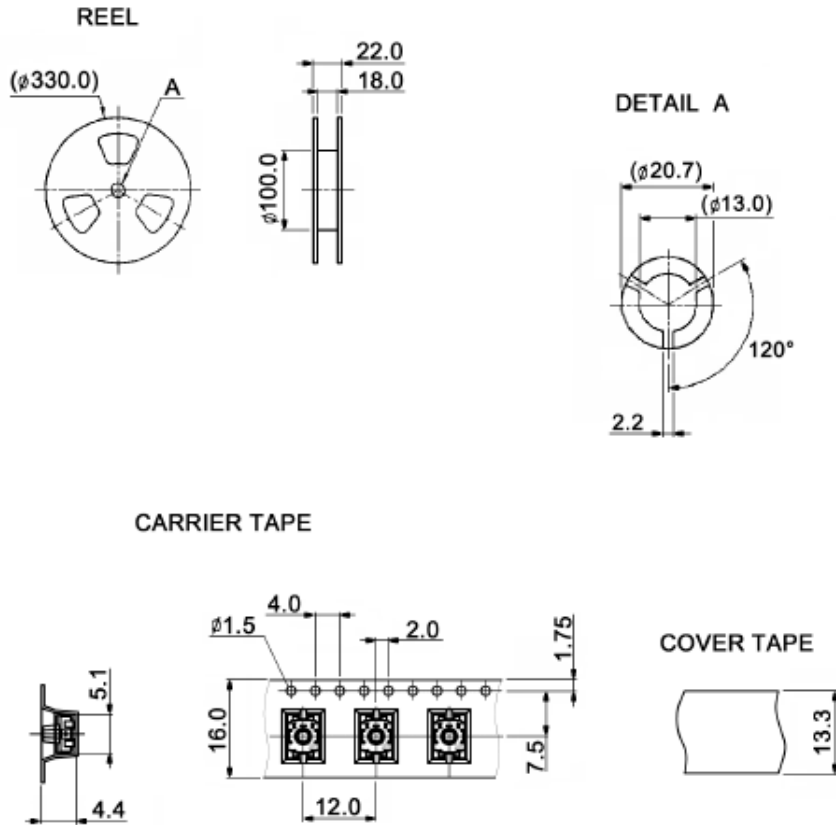


Compliance: RohS III (2015/863/EU)

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		10/22	dr	
		knitter-switch		30 48 98
Modifications	Date	Name		Page 2/3

knitter-switch

Packaging:



Packaging unit: 1000 pcs. / reel
Compliance: RohS III (2015/863/EU)

Tolerances: up to 10: ± 0.2 mm above 10-50: ± 0.3 mm		Date	Name	TMSE 10
		10/22	dr	
		knitter-switch		30 48 98
Modifications		Date	Name	Page 3/3