KMS Series Micro Miniature Side Actuated Tactile Switch for SMT 4.2 x 3.55 mm, with 1.42 mm Height Actuator



Specifications

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Function	Momentary			
Contact Arrangement	SPST, N.O.			
Terminals	Gullwing type for SMT IP40 seated			
Overload	20N			
Tactile Feeling	15% min. for the 2N version 25% min. for the 2.5N version			
Packaging	In reels of 3,000 pieces. External diameter 330 mm ± 2mm			

Electrical Characteristics

	Silver	Gold	
Max. Power	1 VA	0.2 VA	
Max. Voltage	32 VDC	32 VDC	
Max. Current	50 mA	10 mA	
Min. Current	1 mA	1 mA	
Dielectric Strength	≥ 250 VDC		
Contact Resistance	≤ 100 mΩ		
Insulation Resistance	10° Ω		
Bounce Time	≤ 3 ms		

Environmental Characteristics

	Silver	Gold
Operating Temperature	-40°C to 85°C	-40°C to 125°C
Storage Temperature	-55°C to 85°C	-55°C to 125°C

Process

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Description

The KMS series microminiature SMT side actuated switch is ESD protected, which prevents malfunction or breakdown of telecommunication networks, medical handheld monitors and consumer electronics. It comes in a compact size and gives users an excellent tactile feeling.

Features & Benefits

- 1.42mm thickness with excellent tactile feel
- ESD protection by compact size
- Applications
- Mobile phones
- Medical handheld monitors

Positioning pegs for stability

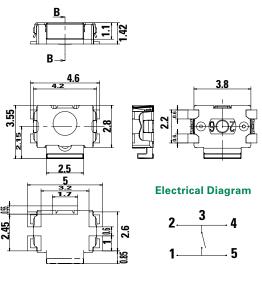
Consumer electronics

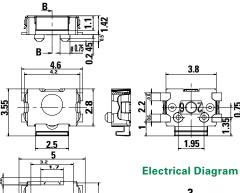
RoHS compliant and

compatible

Telecommunication networks

Dimensions (mm)









ø 0.9 mini/

1.95

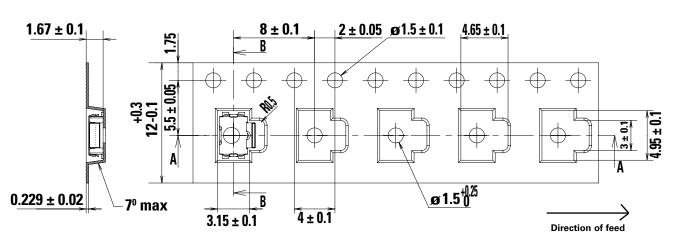
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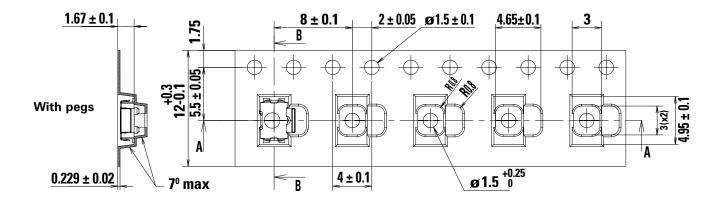


Mechanical Characteristics

Туре	Operation Force N (grs)	Operating Life (operations)	Travel
KMS221G/GP KMS223G/GP	2N (200) ± 0.5	100 K cycles	0.25 ± 0.15
KMS231G/GP KMS233G/GP	3N (300) ± 0.6	100 K cycles	0.3 ± 0.15

Tape & Reel

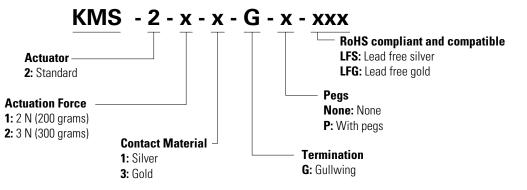






Ordering Number

For any part number different from those listed above, please consult your local representative.



Liability Limitation

This datasheet does not provide enough information for applications that require a certain level of quality or safety such as automotive, medical systems, or safety equipement. Please contact customer service for the contractual specification package.

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