

ALPS Detector Switches

ALPS

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RoHS Compliant This page of product is compliant.

ALPS SMD LOW-PROFILE ONE-WAY DETECTOR SWITCHES

Features:
 • Highly reliable double-sided sliding contact
 • Tape and reel packaging

Specifications:
 • Rating: 1mA @ 5VDC
 • Operating life with load: 50,000 cycles

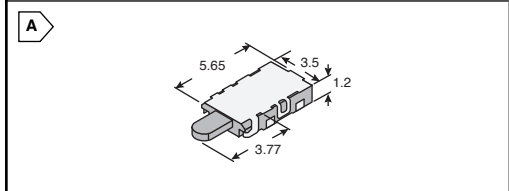
Applications:
 • Detection mechanism in video cameras
 • Detection mechanism in DVD players

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For quantities of 9000 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	OF	Location Lug	Total Travel Position	ON Start Position	Price Each			
							1	50	100	500
688-SPVP110100	SPVP110100	A	55 gf	Yes	1.77 mm	3.44 mm	1.06	.91	.84	.61
688-SPVP120100	SPVP120100	A	55 gf	No	1.77 mm	3.44 mm	1.06	.91	.84	.61

DIMENSIONS: mm



ALPS SMD LOW-PROFILE TWO-WAY DETECTOR SWITCHES

Features:
 • Can be pressed horizontally, vertically or at an angle.
 • Ultra thin - only 1mm high
 • Tape and reel packaging

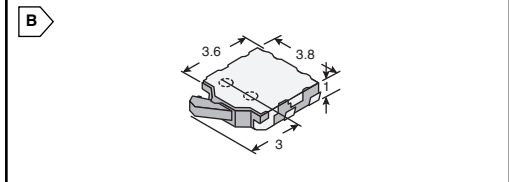
Specifications:
 • Rating: 1mA @ 5VDC
 • Operating life with load: 50,000 cycles
 • Total travel position: 1.45mm
 • ON starting position, horizontal: 1.95mm

Applications:
 • Detection of covers on mobile phones, PDAs
 • Detection mechanism in DVD players
 • Detection mechanism in portable CD/MD players

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For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	OF	Control Direction	ON Start Position *	Location Lug	Price Each			
							1	50	100	500
688-SPVN110101	SPVN110101	B	35 gf	Right	2.65 mm	Yes	1.16	1.00	.91	.66
688-SPVN120101	SPVN120101	B	35 gf	Right	3.46 mm	No	1.16	1.00	.91	.66
688-SPVN210101	SPVN210101	C	35 gf	Left	2.65 mm	Yes	1.16	1.00	.91	.66
688-SPVN220101	SPVN220101	C	35 gf	Left	3.46 mm	No	1.16	1.00	.91	.66



ALPS SMD COMPACT TWO-WAY DETECTOR SWITCHES

Features:
 • Can be pressed from 2 directions - horizontally and vertically.
 • Tape and reel packaging

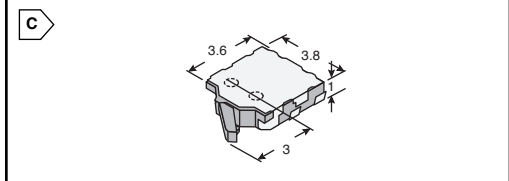
Specifications:
 • Rating: 1mA @ 5VDC
 • Operating life with load: 50,000 cycles
 • Total travel position: 1.5mm

Applications:
 • Detection of covers on mobile phones, PDAs
 • Detection mechanism in DVD players

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For quantities of 4500 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	OF	Housing	ON Start Position	Location Lug	Price Each			
							1	50	100	500
688-SPVM110100	SPVM110100	D	40 gf	w/o terminal	2.20 mm	Yes	.86	.74	.68	.49
688-SPVM110200	SPVM110200	D	40 gf	w/ terminal	2.20 mm	No	.86	.74	.68	.49



ALPS SMD TWO-WAY DETECTOR SWITCHES

Features:
 • Can be pressed horizontally, vertically or at an angle
 • Tape and reel packaging

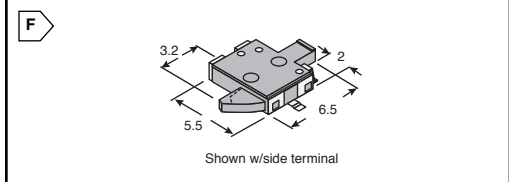
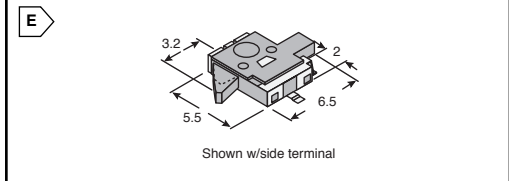
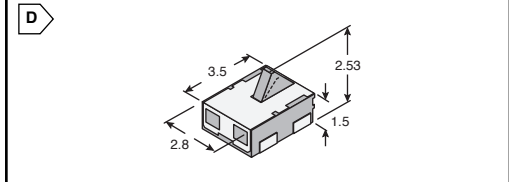
Specifications:
 • Rating: 50mA @ 20VDC
 • Operating life with load: 100,000 cycles
 • Location Lug

Applications:
 • Detection of lids on laptops, mobile phones, and PDAs
 • Detection of position of camera shutters in mobile phones

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For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	OF	Control Direction	ON Start Position	Side Terminal	Price Each			
							1	50	100	500
688-SPVG110301	SPVG110301	E	40 gf	Right	2.96 mm	Yes	.79	.58	.51	.38
688-SPVG120302	SPVG120302	E	40 gf	Right	2.96 mm	No	.79	.58	.51	.38
688-SPVG210302	SPVG210302	F	40 gf	Left	2.96 mm	Yes	.79	.58	.51	.38
688-SPVG220300	SPVG220300	F	40 gf	Left	2.96 mm	No	.79	.58	.51	.38
688-SPVG310300	SPVG310300	E	40 gf	Right	2.45 mm	Yes	.79	.58	.51	.38
688-SPVG320200	SPVG320200	E	40 gf	Right	2.45 mm	No	.79	.58	.51	.38
688-SPVG410300	SPVG410300	F	40 gf	Left	2.45 mm	Yes	.79	.58	.51	.38
688-SPVG420200	SPVG420200	F	40 gf	Left	2.45 mm	No	.79	.58	.51	.38



ALPS SMD LOW-PROFILE TRI-DIRECTIONAL DETECTOR SWITCHES

Features:
 • World's smallest detector switch of its type
 • Highly reliable double-sided sliding contact
 • Tape and reel packaging

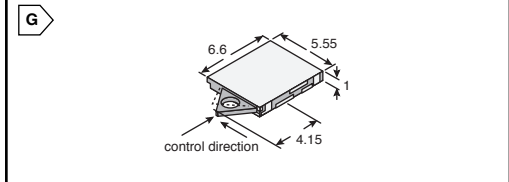
Specifications:
 • Rating: 1mA @ 5VDC
 • Operating life with load: 50,000 cycles

Applications:
 • Detection mechanism in PDAs, mobile phones, car audio
 • Detection functions in DSCs

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For quantities of 7500 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	OF	ON Start Position	Total Travel Position	Location Lug	Price Each			
							1	50	100	500
688-SPVL110100	SPVL110100	G	35 gf	4.25 mm	3.75 mm	Yes	1.28	1.10	1.01	.73
688-SPVL120100	SPVL120100	G	35 gf	4.25 mm	3.75 mm	No	1.28	1.10	1.01	.73



ALPS SMD COMPACT DETECTOR SWITCHES

Features:
 • World's smallest detector switch of its type
 • Highly reliable double-sided sliding contact
 • Tape and reel packaging

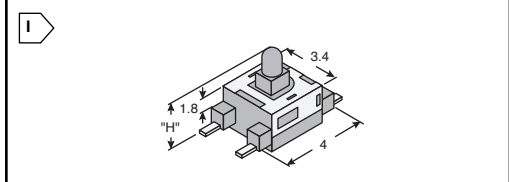
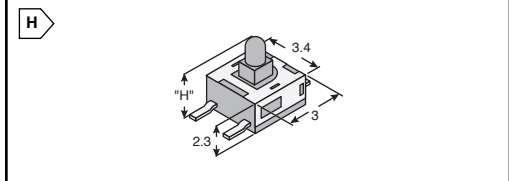
Specifications:
 • Rating: 100mA @ 12VDC
 • SPVE1xxx have location lug, SPVE2xxx do not
 • Operating life with load: 50,000 cycles

Applications:
 • Detection of batteries in LCDs and DSCs
 • Detection of lid position in laptops and mobile phones
 • Detection of media in CD/MD players

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For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	OF	Dim. "H"	ON Start Position	Total Travel Position	Price Each			
							1	50	100	500
688-SPVE110600	SPVE110600	H	30 gf	3.80 mm	3.50 mm	2.50 mm	.79	.57	.52	.40
688-SPVE110801	SPVE110801	H	30 gf	4.10 mm	3.80 mm	2.90 mm	.79	.57	.52	.40
688-SPVE110900	SPVE110900	H	30 gf	4.80 mm	4.50 mm	3.60 mm	.79	.57	.52	.40
688-SPVE210100	SPVE210100	I	30 gf	3.30 mm	3.00 mm	2.00 mm	.79	.57	.52	.40
688-SPVE210200	SPVE210200	I	30 gf	4.75 mm	4.45 mm	3.35 mm	.79	.57	.52	.40



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