

ALPS Detector Switches

ALPS

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

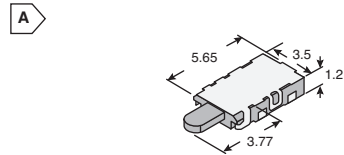
Applications:
 • Detection mechanism in video cameras
 • Detection mechanism in DVD players

RoHS Compliant

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	.684
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

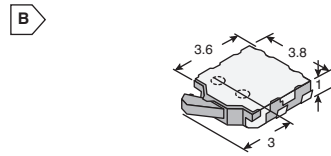
Specifications:
 • Rating: 1mA @ 5VDC
 • Operating life with load: 50,000 cycles
 • Total travel position: 1.45mm
 • ON starting position, horizontal: 1.95mm

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

RoHS Compliant

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

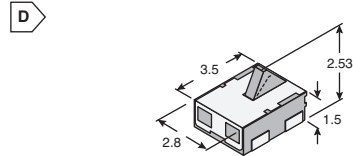
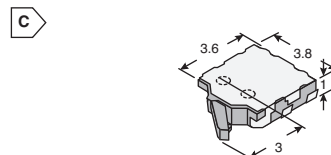
Specifications:
 • Rating: 1mA @ 5VDC
 • Operating life with load: 50,000 cycles
 • Total travel position: 1.5mm

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

RoHS Compliant

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/o 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

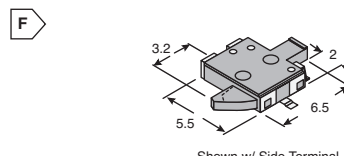
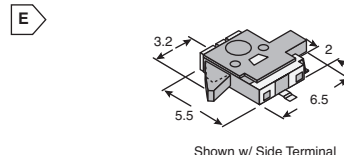
Specifications:
 • Rating: 50mA @ 20VDC
 • Operating life with load: 100,000 cycles
 • Location Lug

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

RoHS Compliant

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

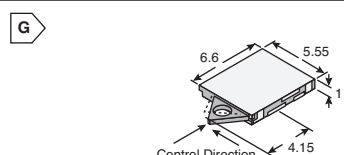
Specifications:
 • Rating: 1mA @ 5VDC
 • Operating life with load: 50,000 cycles

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

RoHS Compliant

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

RoHS Compliant

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

