

ALPS Encoders



ALPS EC05E SERIES: 5MM SMD HOLLOW SHAFT ENCODERS

- Rating: 0.5mA @ 5VDC
- Operating Life: 100,000 cycles
- Tape and reel packaging
- Applications include level controls for MDs and CDs, controls for TVs and monitors, etc.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Rating	Detent Torque	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EC05E1220201	EC05E1220201	A	0.5mA @ 5VDC	1.6±1.3 mN·m	12	12	3.23	2.77	2.40	2.08
688-EC05E1220202	EC05E1220202	B	0.5mA @ 5VDC	1.6±1.3 mN·m	12	12	3.23	2.77	2.40	2.08
688-EC05E1220203	EC05E1220203	C	0.5mA @ 5VDC	1.6±1.3 mN·m	12	12	3.23	2.77	2.40	2.08
688-EC05E1220401	EC05E1220401	D	0.5mA @ 5VDC	1.6±1.3 mN·m	12	12	3.23	2.77	2.40	2.08

ALPS EC09E SERIES: 9MM METAL SHAFT ENCODERS

- Rating: 10mA @ 5VDC
- Operating Life: 15,000 cycles
- Incremental type
- Detent torque: 8±5mN·m
- Applications include level controls for MDs and CDs, controls for TVs and monitors, etc.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Push-On Switch	Travel of Push-On Switch	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EC09E1520402	EC09E1520402	E	Without	-----	15	30	5.04	4.32	3.60	3.24
688-EC09E1524404	EC09E1524404	F	With	1.5mm	15	30	6.06	5.19	4.33	3.89
688-EC09E1524405	EC09E1524405	F	With	0.5mm	15	30	5.81	4.98	4.15	3.74

ALPS EC10E SERIES: 10MM HOLLOW SHAFT ENCODERS

- Rating: 0.5mA @ 5 VDC
- Operating life: 100,000 cycles
- Incremental type
- Applications include controls for PC input devices (e.g., mouse), AV devices, and communication devices

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Dimensions "H"	Detent Torque	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EC10E1220505	EC10E1220505	G	7mm	5±3mN·m	12	24	1.12	.96	.80	.72
688-EC10E1220501	EC10E1220501	G	9mm	5±3mN·m	12	24	1.12	.96	.80	.72

ALPS EC11 SERIES: 11MM METAL SHAFT ENCODERS

- Rating: 10mA @ 5 VDC
- Operating life: 15,000 cycles
- Incremental type
- High precision
- Applications include controls for MDs and CDs, controls for TVs and monitors, etc.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Push-On Switch	Switch Travel	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EC11B15203AD	EC11B15203AD	H	Without	---	15	30	4.36	3.74	3.24	2.81
688-EC11B20203A3	EC11B20203A3	H	Without	---	20	20	4.36	3.74	3.24	2.81
688-EC11B15202AA	EC11B15202AA	I	Without	---	15	30	4.36	3.74	3.24	2.81
688-EC11E1530401	EC11E1530401	J	Without	---	15	0	4.25	3.64	3.16	2.73
688-EC11E1820402	EC11E1820402	J	Without	---	18	36	4.36	3.74	3.24	2.81
688-EC11B15243BD	EC11B15243BD	K	With	1.5mm	15	30	5.61	4.81	4.17	3.61
688-EC11B2024305	EC11B2024305	K	With	1.5mm	20	20	5.61	4.81	4.17	3.61
688-EC11B15242AF	EC11B15242AF	L	With	1.5mm	15	30	5.61	4.81	4.17	3.61
688-EC11E15244B2	EC11E15244B2	J	With	1.5mm	15	30	5.61	4.81	4.17	3.61
688-EC11E18244A5	EC11E18244A5	J	With	1.5mm	18	36	5.61	4.81	4.17	3.61
688-EC11E09244AW	EC11E09244AW	J	With	0.5mm	18	9	5.61	4.81	4.17	3.61
688-EC11E09244AQ	EC11E09244AQ	J	With	1.5mm	18	9	5.61	4.81	4.17	3.61

ALPS EM11B SERIES: 11MM METAL SHAFT MAGNETIC ENCODERS

- Output V_{cc}: +4.0 V min.
- Output V_{low}: 0.5V max.
- Output I_{max}: 5mA
- Operating life: 1,000,000 cycles
- Rating: 5VDC +/- 5%
- Response time: 1.3msec (typical)
- Compact, non-contact type encoder
- Applications include car audio and navigation systems and controls for audio mixers and broadcasting devices

This product uses a Hall IC. Be aware of ESD damages.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Push-On Switch	Switch OF	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EM11B16140A4	EM11B16140A4	M	With	5±3N	16	16	33.25	23.75	21.38	19.00

ALPS EC12E SERIES: 12MM INSULATED SHAFT ENCODERS

- Rating: 0.1A @ 12VDC
- Operating Life: 30,000 cycles
- Incremental type
- High precision
- Applications include level controls for MDs and CDs, controls for TVs and monitors, etc.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Dimensions L (l) mm	Push-On Switch	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EC12E24204A8	EC12E24204A8	N	15 (7)	Without	24	24	1.47	1.26	1.09	.95
688-EC12E24204A9	EC12E24204A9	N	25 (12)	Without	24	24	1.47	1.26	1.09	.95
688-EC12E24204A2	EC12E24204A2	N	10 (7)	Without	24	24	1.47	1.26	1.09	.95
688-EC12E1220405	EC12E1220405	N	25 (12)	Without	12	12	1.47	1.26	1.09	.95
688-EC12E1220406	EC12E1220406	N	20 (7)	Without	12	12	1.47	1.26	1.09	.95
688-EC12E1220407	EC12E1220407	N	15 (7)	Without	12	12	1.47	1.26	1.09	.95
688-EC12E2420802	EC12E2420802	O	20 (7)	Without	24	24	1.47	1.26	1.09	.95
688-EC12E2420801	EC12E2420801	O	25 (12)	Without	24	24	1.47	1.26	1.09	.95
688-EC12E2424407	EC12E2424407	P	20 (7)	With	24	24	2.66	2.28	1.90	1.71
688-EC12E2424404	EC12E2424404	P	25 (12)	With	24	24	2.66	2.28	1.90	1.71

ALPS SRGP HOLLOW SHAFT ENCODERS

- Rating: 10mA @ 5 VDC
- Output voltage: 1V max @ 1mA 5VDC
- Operating life: 50,000 cycles
- Applications include automotive navigation systems, audio systems, LCD monitors, general electronic devices

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Rotational Torque	Output Code	Holder	No. of Detents	Price Each			
							1	25	50	100
688-SRGP200200	SRGP200200	Q	7±3mN·m	10	-----	20	4.36	3.74	3.12	2.80
688-SRGPWJ0500	SRGPWJ0500	R	13±4mN·m	16	-----	16	4.36	3.74	3.12	2.80
688-SRGPWJ0200	SRGPWJ0200	R	6.5±4mN·m	16	-----	32	4.36	3.74	3.12	2.80

ALPS SRGP30 HOLLOW SHAFT SURFACE MOUNT ENCODER

- Tact switch in the hollow
- Rating: 10mA @ 5 VDC
- Output voltage: 1V max @ 1mA 5VDC
- Operating life: 50,000 cycles
- Applications include operation of mobile phones, switching modes for automotive audio systems, operation of cameras, headphones, etc.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Rotational Torque	Res.	No. of Detents	Price Each			
						1	25	50	100
688-SRGP300100	SRGP300100	S	5±2.5mN·m	9	18	4.36	3.74	3.12	2.80

