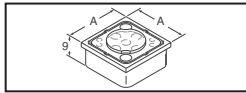


C&K RF 19 and RF 15 Short-Travel Keyswitches



Dimensions in mm

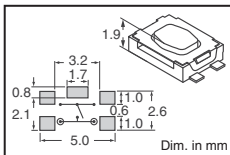


Specifications:

- **Maximum Rated Voltage:** Gold:42V Silver: 50V
- **Maximum Rated Current:** Gold 100mA; Silver 250mA
- **Operating Temperature Range:** -25°C - 70°C
- **Operating Life:** 1,000,000 operations minimum

Description	Dim. A (mm)	Digi-Key Part No.	Price Each			C&K Part No.
			1	25	100	
RF 19 Gold, PCB	19.05	CKN9212-ND	2.69	2.15	1.70	3.14001.0010000
RF 19 Silver, PCB	19.05	CKN9213-ND	2.34	1.88	1.49	3.14001.0060000
RF 15 Gold, PCB	15.00	CKN9374-ND	2.29	1.84	1.46	3.14100.0010000
RF 15 Silver, PCB	15.00	CKN9375-ND	2.07	1.66	1.32	3.14100.0060000

KMR Series Microminiature Tact Switches for SMT



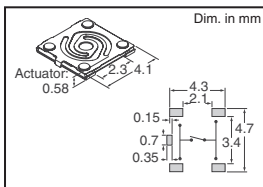
Specifications:

- **Circuit:** SPST-NO
- **Maximum Voltage:** 50VDC
- **Maximum Current DC:** Silver: 50mA; Gold: 10mA
- **Operating Temperature:** Silver: -40°C - 85°C; Gold: -40°C - 125°C

Description	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel Pricing† 7,000	C&K Part No.
		1	25	100		
100gF, Gullwing, Silver Contacts	401-1426-1-ND	.33	.31	.28	180.34/M	KMR211GLFS
200gF, Gullwing, Silver Contacts	401-1427-1-ND	.33	.31	.28	180.34/M	KMR221GLFS
200gF, Gullwing, Gold Contacts	401-1428-1-ND	.38	.36	.33	210.40/M	KMR223GLFG
300gF, Gullwing, Silver Contacts	401-1429-1-ND	.36	.34	.31	198.64/M	KMR231GLFS
300gF, Gullwing, Gold Contacts	401-1430-1-ND	.41	.39	.36	—	KMR233GLFG
400gF, Gullwing, Silver Contacts	401-1431-1-ND	.36	.34	.31	198.64/M	KMR241GLFS
400gF, Gullwing, Gold Contacts	401-1432-1-ND	.41	.39	.36	230.00/M	KMR243GLFG

† For Tape and Reel part number, change 1-ND to 2-ND.

KMX Series Microminiature Tact Switch for SMT



Allows higher board density with compact SMT switch for ultra low profile environment: cell phone keypads, key fob, white goods, medical and military

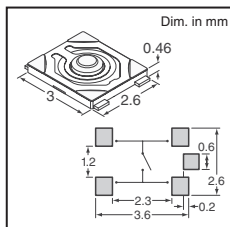
Features:

- Ultra low profile 0.58mm
- Sharp Tactile Feel plus Audible Click
- Operating Life: 250k Cycles

Description	Digi-Key Part No.	Cut Tape Pricing			Tape & Reel Pricing† 10,000	C&K Part No.
		1	25	100		
160gF, Gullwing, Silver, No Actuator	401-1957-1-ND	.18	4.20	15.38	100.63/M	KMX111G
160gF, Gullwing, Gold, No Actuator	401-1959-1-ND	.24	5.55	20.36	133.30/M	KMX113G
220gF, Gullwing, Silver, No Actuator	401-1960-1-ND	.18	4.20	15.38	100.63/M	KMX121G
220gF, Gullwing, Gold, No Actuator	401-1961-1-ND	.24	5.55	20.36	133.30/M	KMX123G
160gF, Gullwing, Silver, 1.4mm Actuator	401-1610-1-ND	.18	4.20	15.38	83.86/M	KMX211G
160gF, Gullwing, Gold, 1.4mm Actuator	401-1611-1-ND	.24	5.55	20.36	111.08/M	KMX213G
220gF, Gullwing, Gold, 1.4mm Actuator	401-1613-1-ND	.24	5.55	20.36	111.08/M	KMX223G

† For Tape and Reel part number, change 1-ND to 2-ND.

KMT Series Nano-Miniature SMT Top Actuated Switches



Features: • Smallest footprint • Smallest thickness with integrated actuator

Applications: • Mobile Phones • Hearing Aids • MP3 Accessories • Bluetooth Headset

- **Specifications:** **Mechanical:** • **Operating Life:** 150,000 cycles **Electrical:** • **Maximum Power:** 0.5VA • **Maximum/Minimum Voltage:** 32VDC/20mV
- **Maximum/Minimum Current DC:** 50mA/1mA **Environmental:** • **Operating Temperature:** -40°C - 85°C

Description	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel Pricing† 4,000	C&K Part No.
		1	25	100		
100gF, Gullwing, With Ground	CKN9432CT-ND	.40	.38	.34	222.16/M	KMT211G LFS
100gF, Gullwing	CKN9433CT-ND	.40	.38	.34	222.16/M	KMT211NG LFS
160gF, Gullwing, With Ground	CKN9434CT-ND	.40	.38	.34	222.16/M	KMT221G LFS
160gF, Gullwing	CKN9435CT-ND	.40	.38	.34	222.16/M	KMT221NG LFS

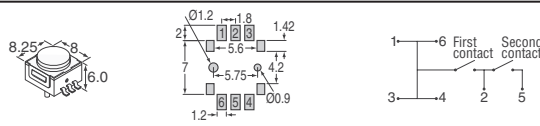
† For Tape and Reel part number, change CT-ND to TR-ND.

K5G Series Double Stroke Key Switches



- **Features:** • Excellent tactile feel • Low profile • Quiet Actuation **Applications:** • Automotive: Window lift, Sun-roof control
- Multi-function devices **Mechanical:** • **Operating Force First Stroke:** 3.7N + 0.8 - 0.5N • **Operating Force Second Stroke:** 6.5N + 0.8 - 0.5N • **Electrical Travel First Stroke:** 0.5mm • **Electrical Travel Second Stroke:** 0.85mm • **Total Travel:** 1mm
- **Operating Life:** 30,000 actuations **Environmental:** • **Operating Temperature:** -40°C - 85°C

Dimensions in mm



Description	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel Pricing† 500	C&K Part No.
		1	25	100		
400/650gF, Gullwing, Double Stroke Key Switch	CKN9436CT-ND	2.46	2.28	2.09	682.15	K5G4/6.5N AU

† For Tape and Reel part number, change CT-ND to TR-ND.

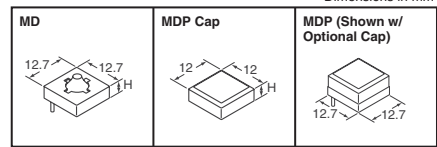
MD and MDP Series Pushbutton Switches



Dimensions in mm

MD Series:

Small momentary key switch with a protective rubber actuator



MDP Series:

Small momentary key switch equipped with a button: can be PC mounted

- **Specifications:** • **Circuit:** SPST • **Switching:** Voltage Maximum: 100V AC/DC; Current Maximum: Silver: 100mA AC/DC; Gold: 50mA AC/DC • **Operating Temperature:** -25°C - 70°C

Description	Dim. H (mm)	Digi-Key Part No.	Price Each			C&K Part No.
			1	25	100	
MD Series						
With Rubber Actuator, 260gF, Gold Plated	5	401-1931-ND	2.71	2.17	1.72	MDGLFS
With Rubber Actuator, 260gF, Silver Plated	5	401-1932-ND	1.89	1.51	1.20	MDLSFS
MDP Series						
No Cap, 240gF, Gold Plated	3.5	401-1933-ND	2.71	2.17	1.72	MDPGLFS
No Cap, 240gF, Silver Plated	3.5	401-1934-ND	1.89	1.51	1.20	MDPSLFS
No Cap, 240gF, Gold Plated	3.4	CKN9431-ND†	2.71	2.17	1.72	MDPSSLFS
No Cap, 240gF, Silver Plated	3.4	CKN9430-ND†	1.89	1.51	1.20	MDPSSLFS

Description	Digi-Key Part No.	Pricing			C&K Part No.
		1	25	100	
Switch Caps for MDP Series					
White, 12mm square, Finger Recessed	401-1175-ND*	.33	6.66	21.10	BTN MDP 00
Red, 12mm square, Finger Recessed	401-1177-ND*	.21	4.27	13.52	BTN MDP 40
Blue, 12mm square, Finger Recessed	401-1178-ND*	.21	4.27	13.52	BTN MDP 60
Black, 12mm square, Finger Recessed	401-1179-ND*	.21	4.27	13.52	BTN MDP 90

* Not recommended for new design † Glyptal resin to increase sealing on terminals

K5V Series Illuminated Tact Switches



- **Features:** • Gold plated dome contact • Excellent ergonomics • High bright LEDs **Specifications:** • **Function:** Momentary action, SPDT **Mechanical:** • **Operating Force:** 400gF • **Operating Life:** 25,000 operations **Electrical:** • **Power Minimum/Maximum:** 0.02VA / 1.0VA • **Voltage Minimum/Maximum:** 20mVDC - 32VDC • **Current Minimum/Maximum:** 0.1mA - 100mA **Environmental:** • **Operating Temperature:** -40°C - 85°C

Dimensions in Inches (mm)

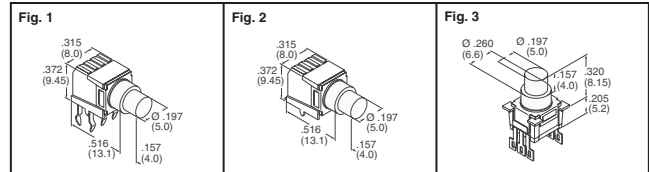


Fig.	Color	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	T & R Pricing 330	C&K Part No.
			1	25	100			
Right Angle, Thru-Hole								
1	Green	401-1657-ND	5.90	5.45	5.00	—	—	K5V1GN43T
	Red	401-1658-ND	6.68	6.17	5.66	—	—	K5V1RD43T
	Yellow-Green	401-1659-ND	5.25	4.85	4.45	—	—	K5V1YG43T
Right Angle, SMT								
2	Blue	401-1852-1-ND	8.43	7.78	7.14	401-1852-2-ND	1540.41	K5V1BU43G
	Green	401-1662-1-ND	7.28	6.73	6.17	401-1662-2-ND	941.16	K5V1GN43G
	White	401-1855-1-ND	7.03	6.50	5.96	—	—	K5V1WH43G
	Yellow-Green	401-1664-1-ND	6.19	5.72	5.24	—	—	K5V1YG43G
Panel Mount								
3	Blue	401-1853-ND	6.45	5.96	5.46	—	—	K5V1BU43P
	Yellow-Green	401-1653-ND	4.41	4.07	3.73	—	—	K5V1YG43P

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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