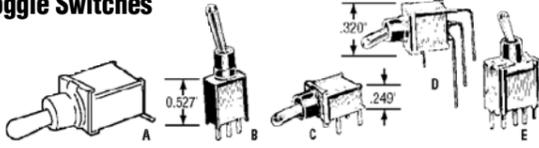


ET Series Sealed Tiny Toggle Switches



Mechanical and Electrical Life: 60,000 make-and-break cycles at full load on ET01 model. All other models, 30,000 cycles. **Contact Resistance:** Below 20 milliohms typ. initial @ 2-4 V DC, 100 mA. **Insulation Resistance:** 10⁹ ohms min. **Static Resistance (M3 Actuator Only):** 9000 V DC min. **Dielectric Strength:** 1000 V RMS min. @ sea level. **Operating Temperature:** -30°C to +85°C. **Solderability:** Per MIL-STD-202F method 208D, or EIA RS-186E method 9; 1 hour steam aging. **Case and Bushing:** UL 94V-0. **Actuator:** M3 antistatic actuator — Nylon 4/6, black standard, UL 94 V-0; M Actuator — Brass, chrome, plated. **Internal o-ring seal standard with all actuators. Switch Support:** Brass, tin plated. **Contacts:** Gold plate over nickel plate. **Terminal Seal:** Epoxy, 0.1" terminal thru hole spacing.

Antistatic

Stock No.	Mfr.'s Type	Fig.	Description	Switch Function*	EACH		
					1-99	100-499	500-999
676-7310	ET01M3D1SAKE†	A	SPDT	On-None-On	6.76	6.01	5.50
676-7311	ET03M3D1SAKE†	A	SPDT	On-Off-On	6.04	5.47	5.01
676-7313	ET07M3D1SAKE†	A	SPDT	On-Off-Mom.	6.04	5.47	5.01
676-7315	ET01MD1SAKE†	A	SPDT	On-None-On	5.32	4.74	4.33
676-7316	ET03MD1SAKE†	A	SPDT	On-Off-On	5.75	5.22	4.77
676-7318	ET07MD1SAKE†	A	SPDT	On-Off-Mom.	5.75	5.22	4.77

PC Terminals

Actuator Length: 0.400".

Stock No.	Mfr.'s Type	Fig.	Description	Switch Function*	EACH		
					1-99	100-499	500-999
676-1800	ET01SD1CBE	B	SPDT	On-None-On	5.49	4.88	4.46
676-1805	ET03SD1CBE	B	SPDT	On-Off-On	6.19	5.51	5.04
676-1810	ET08SD1CBE	B	SPDT	On-None-Mom.	6.19	5.52	5.04
676-9225	ET21SD1CBE	B	SPDT	On-None-On	8.16	7.21	6.66

PC Terminals/Right Angle Mounting

Actuator Length: 0.240".

Stock No.	Mfr.'s Type	Fig.	Description	Switch Function*	EACH		
					1-99	100-499	500-999
676-1815	ET01MD1ABE	C	SPDT	On-None-On	4.71	4.19	3.83
676-1820	ET03MD1ABE	C	SPDT	On-Off-On	6.56	5.84	5.34
676-1825	ET08MD1ABE	C	SPDT	On-None-Mom.	5.25	4.67	4.27
676-9226	ET21MD1ABE	C	SPDT	On-None-On	8.86	7.82	7.22

PC Terminals/Vertical Right Angle Mounting

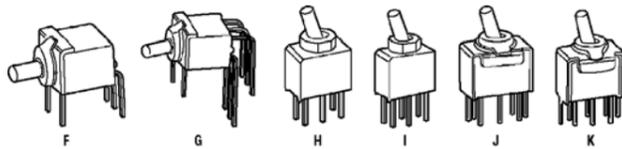
Stock No.	Mfr.'s Type	Fig.	Description	Switch Function*	EACH		
					1-99	100-499	500-999
676-1830	ET01MD1AVBE	D	SPDT	On-None-On	6.19	5.50	5.04
676-1835	ET03MD1AVBE	D	SPDT	On-Off-On	5.60	4.98	4.55
676-1840	ET08MD1AVBE	D	SPDT	On-None-Mom.	5.60	4.60	3.95

PC Terminals with Support Bracket

Stock No.	Mfr.'s Type	Fig.	Description	Switch Function*	EACH		
					1-99	100-499	500-999
676-1845	ET01MD1V3BE	E	SPDT	On-None-On	4.71	4.18	3.83
676-1850	ET03MD1V3BE	E	SPDT	On-Off-On	6.57	5.84	5.33
676-1855	ET08MD1V3BE	E	SPDT	On-None-Mom.	5.62	5.00	4.57

*Mom. = Momentary. †With plastic M3 actuator surface mount. ‡With chrome plated brass M actuator surface mount.

GT Series Sealed Ultraminiature Toggle Switches

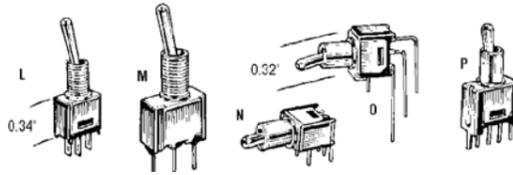


Process compatible — withstands IR and vapor phase reflow soldering and cleaning processes. **Contact Rating:** 0.4 VA max. @ 20 VAC or VDC max. **Mechanical and Electrical Life:** 40,000 make-and-break cycles at full load. **Contact Resistance:** Below 50 milliohms typ. initial @ 2-4 VDC, 100 mA. **Insulation Resistance:** 10⁹ ohms min. **Dielectric Strength:** 500 Vrms min. **Operating Temperature:** -30°C to 85°C. **Solderability:** Per MIL-STD-202F method 208D, or EIA RS-186E method 9. **Housing and Base:** UL 94V-0. **Actuator:** UL 94V-0 with standard internal o-ring seal. **Switch Support:** Brass, tin plated. **Terminal Seal:** Epoxy. All terminals insert molded.

PC Terminals

Stock No.	Mfr.'s Type	Fig.	Description	Switch Function*	EACH		
					1-99	100-499	500-999
676-9227	GT11MAKE	F	SPDT	On-None-On	5.80	5.12	4.72
676-9228	GT12MAKE	F	SPDT	Off-None-On	4.98	4.40	4.06
676-9229	GT13MAKE	F	SPDT	On-Off-On	6.58	5.82	5.36
676-9230	GT21MAKE	G	DPDT	On-None-On	6.33	5.59	5.16
676-9231	GT22MAKE	G	DPST	Off-None-On	6.49	5.73	5.29
676-9232	GT23MAKE	G	DPDT	On-Off-On	8.24	7.28	6.72
676-9233	GT11MCKE	H	SPDT	On-None-On	5.15	4.54	4.19
676-9234	GT12MCKE	H	SPST	Off-None-On	4.54	4.01	3.70
676-9235	GT13MCKE	H	SPDT	On-Off-On	4.81	4.25	3.92
676-9236	GT21MCKE	I	DPDT	On-None-On	6.89	6.09	5.62
676-9237	GT22MCKE	I	DPST	Off-None-On	5.77	5.10	4.71
676-9238	GT23MCKE	I	DPDT	On-Off-On	7.92	6.98	6.44
676-9239	GT11MV3KE	J	SPDT	On-None-On	4.91	4.33	4.00
676-9240	GT12MV3KE	J	SPST	Off-None-On	6.45	5.70	5.25
676-9241	GT13MV3KE	J	SPDT	On-Off-On	5.62	4.96	4.58
676-9242	GT21MV3KE	K	DPDT	On-None-On	6.64	5.87	5.41
676-9243	GT22MV3KE	K	DPST	Off-None-On	8.43	7.45	6.87
676-9244	GT23MV3KE	K	DPDT	On-Off-On	7.02	6.21	5.73

T Series Tiny Toggle Switches



Toggle: Brass, chrome plated. **Bushings:** Brass, nickel plated 10-48UNS-2A. **Included Hardware:** Nut, locking ring, and lockwasher. **Switches Not Right Angle Mounted and without Support Bracket.** **Contact Rating:** 3 amps at 120 VAC or 28 VDC (UL) for all models with On-None-On switch function, all others 2 amps at 120 VAC or 28 VDC. **End Contacts:** Coin silver, silver plated. **Center Contact and Terminals:** Brass, silver plated. **Switches with Right Angle Mounting or Support Bracket.** **Contact Rating:** 0.4 VA max. at 20 VAC or VDC max. **Contacts and Terminals:** Brass, with gold plate over nickel plate, 0.1" terminal spacing.

Solder Terminals

Stock No.	Mfr.'s Type	Fig.	Description	Switch Function*	EACH		
					1-99	100-499	500-999
676-2400	T101SHZQE	L	SPDT	On-None-On	5.21	4.64	4.24
676-2405	T103SHZQE	L	SPDT	On-Off-On	6.23	5.55	5.07
676-2410	T108SHZQE	L	SPDT	On-None-Mom.	5.05	4.50	4.11
676-2415	T201SHZQE	L	DPDT	On-None-On	8.00	7.27	6.64
676-2420	T203SHZQE	L	DPDT	On-Off-On	7.23	6.57	5.99
676-2430	T211SHZQE	L	DPDT	On-Off-On	10.12	9.18	8.39

PC Terminals

Stock No.	Mfr.'s Type	Fig.	Description	Switch Function*	EACH		
					1-99	100-499	500-999
676-2435	T101SHCQE	M	SPDT	On-None-On	5.10	4.53	4.15
676-2440	T103SHCQE	M	SPDT	On-Off-On	6.12	5.44	4.98
676-2445	T201SHCQE	M	DPDT	On-None-On	5.67	5.05	4.61

PC Terminals/Right Angle Mounting

Stock No.	Mfr.'s Type	Fig.	Description	Switch Function*	EACH		
					1-99	100-499	500-999
676-2455	T101MH9ABE	N	SPDT	On-None-On	5.47	4.89	4.45
676-2460	T103MH9ABE	N	SPDT	On-Off-On	6.50	5.78	5.29
676-2465	T201MH9ABE	N	DPDT	On-None-On	8.42	7.63	6.98

PC Terminals/Vertical Right Angle Mounting

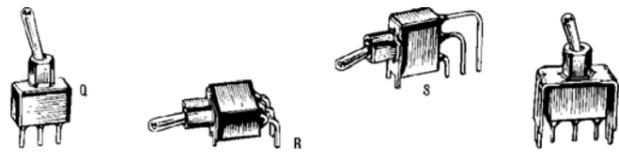
Stock No.	Mfr.'s Type	Fig.	Description	Switch Function*	EACH		
					1-99	100-499	500-999
676-2470	T101MH9AVBE	O	SPDT	On-None-On	5.68	5.06	4.63
676-2475	T103MH9AVBE	O	SPDT	On-Off-On	6.71	5.97	5.46
676-2485	T201MH9AVBE	O	DPDT	On-None-On	8.72	7.90	7.24

PC Terminals with Support Bracket

Stock No.	Mfr.'s Type	Fig.	Description	Switch Function*	EACH		
					1-99	100-499	500-999
676-2510	T101MH9V3BE	P	SPDT	On-None-On	5.44	4.84	4.42

*Mom. = Momentary.

E Series PC-Mounted Sealed Toggle Switches



Contact Rating: 0.4 VA max. at 20 VAC or VDC. **Operating Temperature:** -30°C to 85°C. **Case and Bushing:** Glass filled nylon. **Toggle:** Brass, chrome plated with internal O-ring seal. **Contacts and Terminals:** Brass, with gold plate over nickel plate.

PC Terminals

Spacing: 0.185". Actuator Length: 0.500".

Stock No.	Mfr.'s Type	Fig.	Description	Switch Function*	EACH		
					1-99	100-499	500-999
676-1275	E101SD1CBE	Q	SPDT	On-None-On	3.91	3.48	2.96
676-1280	E103SD1CBE	Q	SPDT	On-Off-On	4.78	4.26	3.61
676-1300	E201SD1CBE	Q	DPDT	On-None-On	7.55	6.85	5.81
676-1325	E211SD1CBE	Q	DP3T	On-Off-On	7.55	6.86	5.81
676-9272	E301SD1CBE	Q	3PDT	On-None-On	9.83	8.69	8.02

PC Terminals/Vertical Right Angle Mounting

Actuator Length: 0.300".

Stock No.	Mfr.'s Type	Fig.	Description	Switch Function*	EACH		
					1-99	100-499	500-999
676-1350	E201MD1ABE	R	DPDT	On-None-On	6.66	6.05	5.13

PC Terminals/Right Angle Mounting

Actuator Length: 0.300".

Stock No.	Mfr.'s Type	Fig.	Description	Switch Function*	EACH		
					1-99	100-499	500-999
676-1370	E101MD1AV2BE	S	SPDT	On-None-On	4.49	4.00	3.40
676-1380	E103MD1AV2BE	S	SPDT	Mom.-Off-Mom.	5.27	4.69	3.97
676-9273	E303MD1AV2BE	S	3PDT	On-Off-On	12.30	10.86	10.03

PC Terminals/Support Bracket

Actuator Length: 0.300".

Stock No.	Mfr.'s Type	Fig.	Description	Switch Function*	EACH		
					1-99	100-499	500-999
676-1405	E101MD1V3BE	T	SPDT	On-None-On	6.03	5.37	4.56
676-1410	E103MD1V3BE	T	SPDT	On-Off-On	5.74	5.11	4.35
676-1415	E105MD1V3BE	T	SPDT	Mom.-Off-Mom.	7.04	6.27	5.32

*Mom. = Momentary.