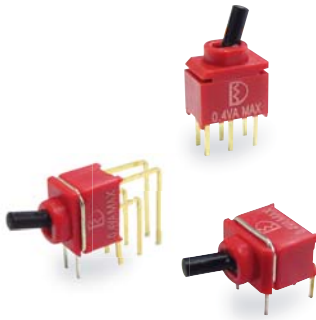




SPECIFICATIONS

MECHANICAL LIFE: 40,000 make-and-break cycles.

CONTACT RATING: 0.4 VA max. @ 20V AC or DC max.

CONTACT RESISTANCE: Below 100 mΩ typ. (initial value)
@ 2-4V DC, 100 mA.

INSULATION RESISTANCE: 500 MΩ min./500VDC

DIELECTRIC STRENGTH: 500 Vrms min.@ sea level. (initial value)

OPERATING TEMPERATURE: -30°C to 85°C

MATERIALS

HOUSING AND BASE: Glass filled nylon 6/6 or 4/6, flame retardant
, heat stabilized (UL94V-0)

ACTUATOR: Glass filled nylon 6/6, flame retardant, heat stabilized
(UL94V-0), internal o-ring sealed.

SWITCH SUPPORT: Steel with Sn plated.

CONTACT: Phosphor bronze with gold plated over nickel plated.

TERMINALS: Brass with gold plated over nickel plated.

HOW TO ORDER

MODEL NO.	ACTUATOR	HOUSING	TERMINAL TYPE	TERMINAL PLATING	SEAL	RoHS SOLDERING
SP						
TGS08-S1 ON-NONE-ON	T1 3.80×1.70(STD)			R Gold	E EPOXY (std)	S RoHS & Lead Free
TGS08-S3 ON-OFF-ON	T29 3.80×2.00, Gray *				N NO EPOXY	
TGS08-S9 OFF-NONE-ON						
DP						
TGS08-D1 ON-NONE-ON		A1 1.60 high (STD)	M2 PC thru-hole			
TGS08-D3 ON-OFF-ON		A2 1.60 high, Black *	M6 Right angle, PC thru-hole			
TGS08-D9 OFF-NONE-ON			M7 Vertical right angle, PC thru-hole			
			MT1 SMT(STD) **			

* T29 actuator can only used with A2 housing, this option is not available with TGS08-S9

** The terminal type of MT1 are not suitable for TGS08-S9.

EXAMPLE: TGS08-S1T1A1M2RES



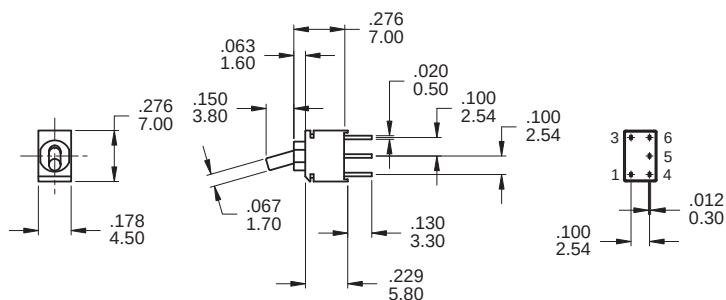
SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
		POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	TGS08-S1	ON	NONE	ON	5-6	N/A	5-4
	TGS08-S3	ON	OFF	ON		OPEN	
	TGS08-S9	OFF	NONE	ON	OPEN	N/A	4-6
DP	TGS08-D1	ON	NONE	ON	2-3,5-6	N/A	2-1,5-4
	TGS08-D3	ON	OFF	ON		OPEN	
	TGS08-D9	OFF	NONE	ON	OPEN	N/A	

* Omit terminal 5

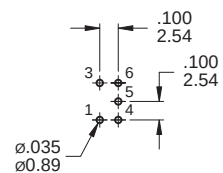
** Omit terminal 2 & 5

POLE OPTIONS



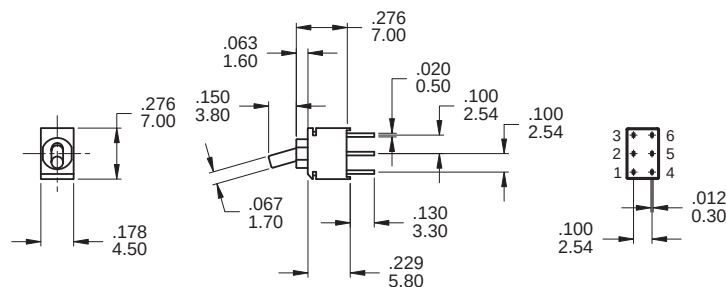
Note: Pins 1 and 3 not connected

PCB MOUNTING

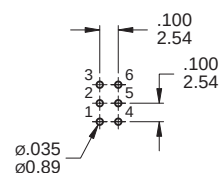


SPDT

Model name. TGS08-S1T1A1M2RES



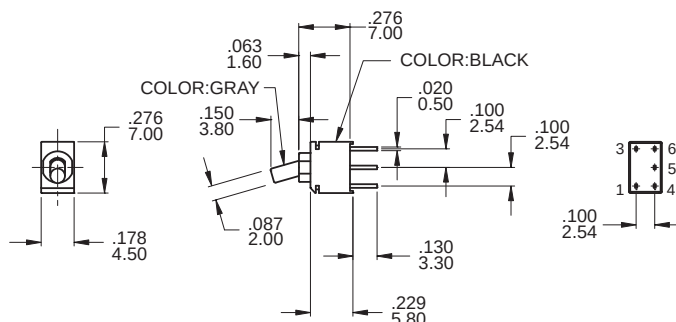
PCB MOUNTING



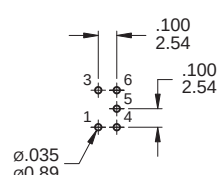
DPDT

Model name. TGS08-D1T1A1M2RES

T29



PCB MOUNTING



Note: Not available for TGS08-S9.

Note: Pins 1 and 3 not connected

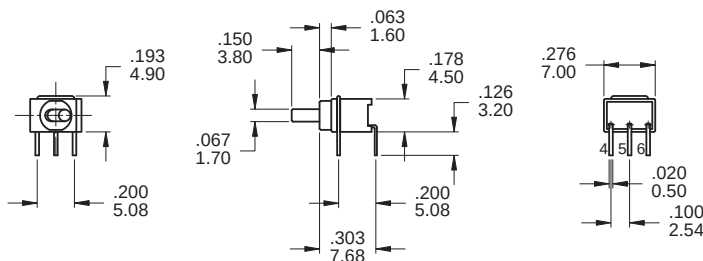
SPDT

Model name. TGS08-S1T29A2M2RES

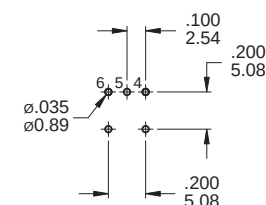


▼ TERMINAL OPTIONS

M6



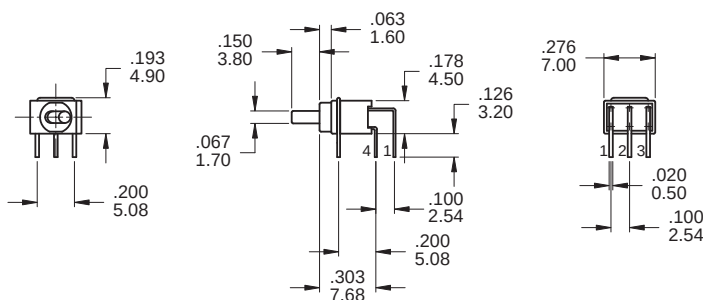
PCB MOUNTING



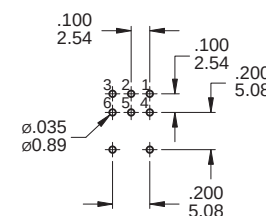
SPDT

Model name. TGS08-S1T1A1M6RES

M6



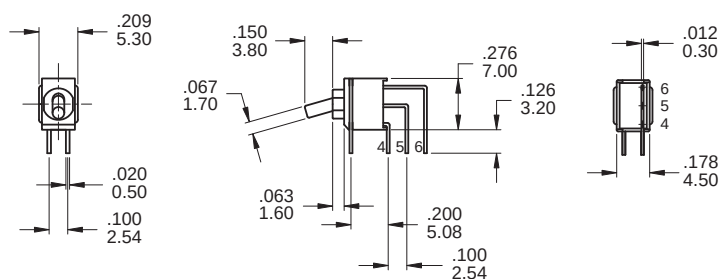
PCB MOUNTING



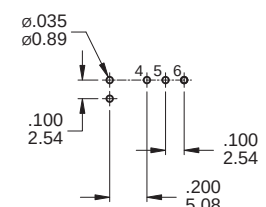
DPDT

Model name. TGS08-D1T1A1M6RES

M7



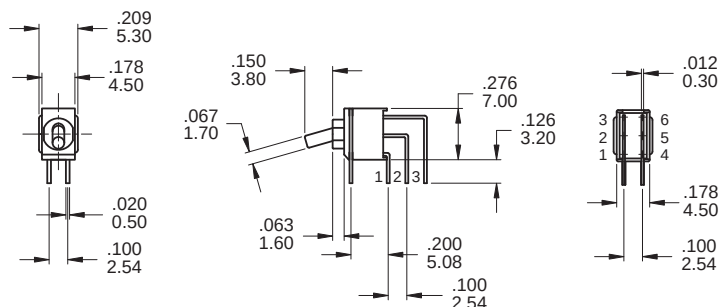
PCB MOUNTING



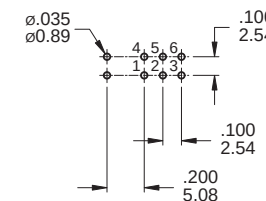
SPDT

Model name. TGS08-S1T1A1M7RES

M7



PCB MOUNTING



DPDT

Model name. TGS08-D1T1A1M7RES



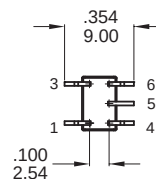
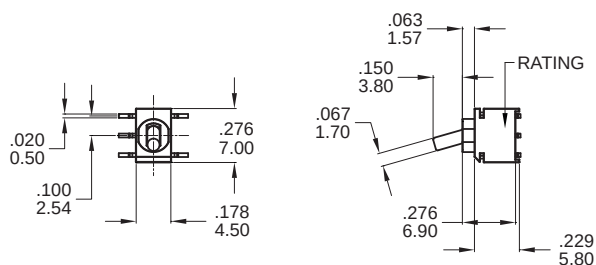
TGS08 Series

Sealed Ultraminiature Toggle Switches

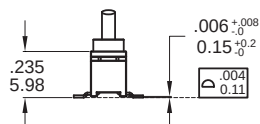
IP 67
ACCORDING TO
EN 60529:1991+A1:2001
IEC 60529:2001



MT1



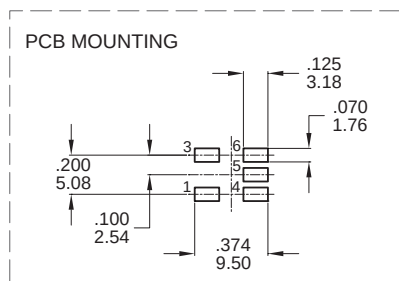
Note: Pins 1 and 3 not connected



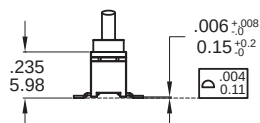
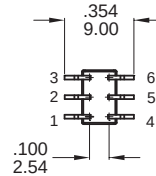
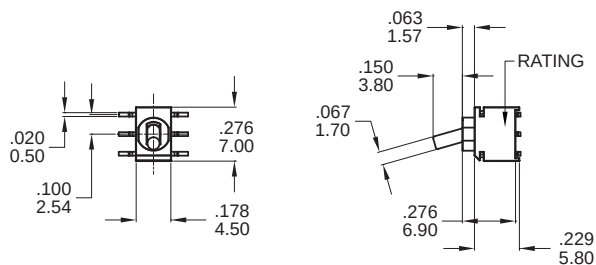
Note: Not available for TGS08-S9.

SPDT

Model name. TGS08-S1T1A1MT1RES



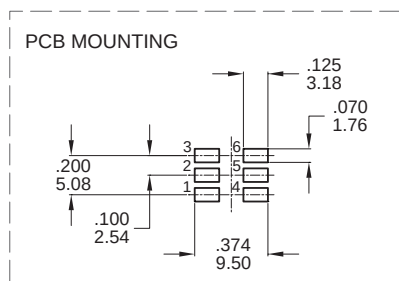
MT1



Note: Not available for TGS08-D9.

DPDT

Model name. TGS08-D1T1A1MT1RES



▼ SOLDERING PROCESS

WAVE SOLDERING: Recommend soldering temperature: $260 \pm 5^{\circ}\text{C}$

Duration of solder immersion: Max. 5 sec. (PCB thickness is 1.6mm)