



## SPECIFICATIONS

**CONTACT RATING:** Dependent upon contact material, see page 37.

**MECHANICAL LIFE:** 30,000 make-and-break cycles.

**CONTACT RESISTANCE:** 20 mΩ max. (initial value) @ 2-4VDC  
100mA for both silver and gold plated contacts.

**INSULATION RESISTANCE:** 1,000 MΩ min./1000VDC

**DIELECTRIC STRENGTH:** 1,000 Vrms min.@sea level.(initial value)

**OPERATING TEMPERATURE:** -30°C to 85°C.

## MATERIALS

**CASE & BUSHING:** Glass filled nylon 6/6, flame retardant,  
heat stabilized (UL94v-0).

**ACTUATOR:** Brass with chrome plated, internal o-ring sealed.

**SWITCH SUPPORT:** Brass, tin plated.

**CONTACT / TERMINALS:** Copper with silver or gold plated.  
(See page 37)

## HOW TO ORDER

MODEL NO.	ACTUATOR	BUSHING	TERMINAL TYPE	TERMINAL PLATING	SEAL	RoHS SOLDERING
SP						
TGS06-S1 ON-NONE-ON	T1 10.16 high	A1 4.35 high (Std)		Q Gold flash over silver		S RoHS & Lead Free
TGS06-S2 ON-NONE-(ON)	T2 6.10 high			R Gold		
TGS06-S3 ON-OFF-ON	T4 13.97 high			C Gold over silver		
TGS06-S4 (ON)-OFF-(ON)	Plastic (Black)				E EPOXY (std)	
TGS06-S5 ON-OFF-(ON)	TA 10.16 high		MT (STD) Right angle, surface mount.			
	TB 6.10 high		MZ (STD)			

EXAMPLE: TGS06-S1T1A1MTQES



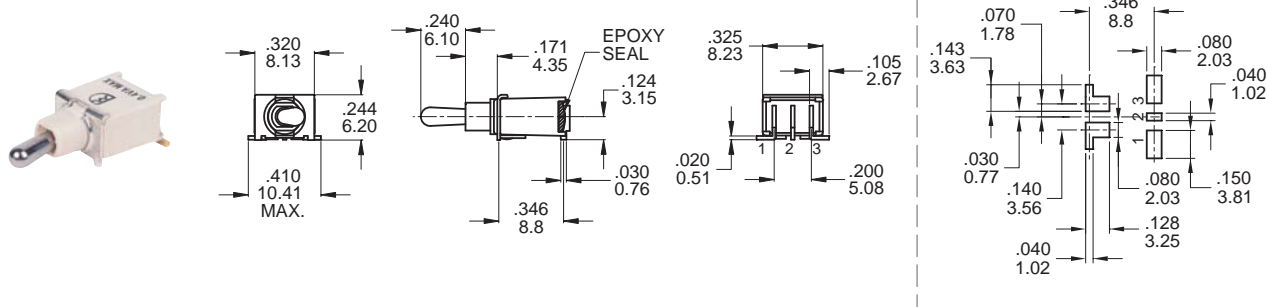
### ▼ SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
		POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	TGS06-S1	ON	NONE	ON	2-3	N/A	2-1
	TGS06-S2	ON	NONE	(ON)			
	TGS06-S3	ON	OFF	ON		OPEN	
	TGS06-S4	(ON)	OFF	(ON)			
	TGS06-S5	ON	OFF	(ON)			

( )=MOMENTARY

### ▼ POLE OPTIONS

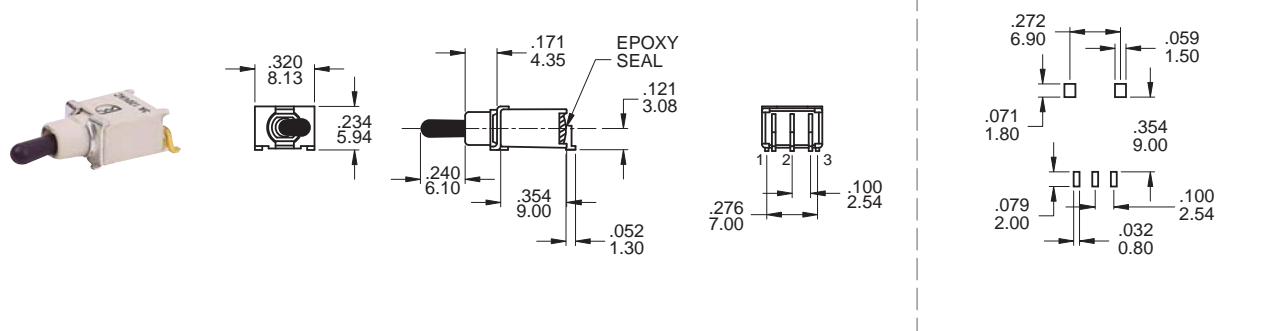
#### MT



#### SPDT

Model name. TGS06-S1T2A1MTRES

#### MZ

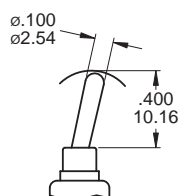


#### SPDT

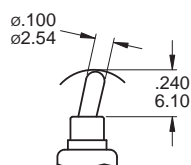
Model name. TGS06-S1TBA1MZRES

### ▼ ACTUATOR OPTIONS

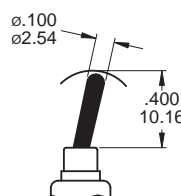
#### T1



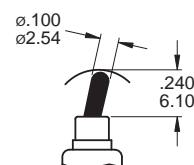
#### T2



#### TA



#### TB



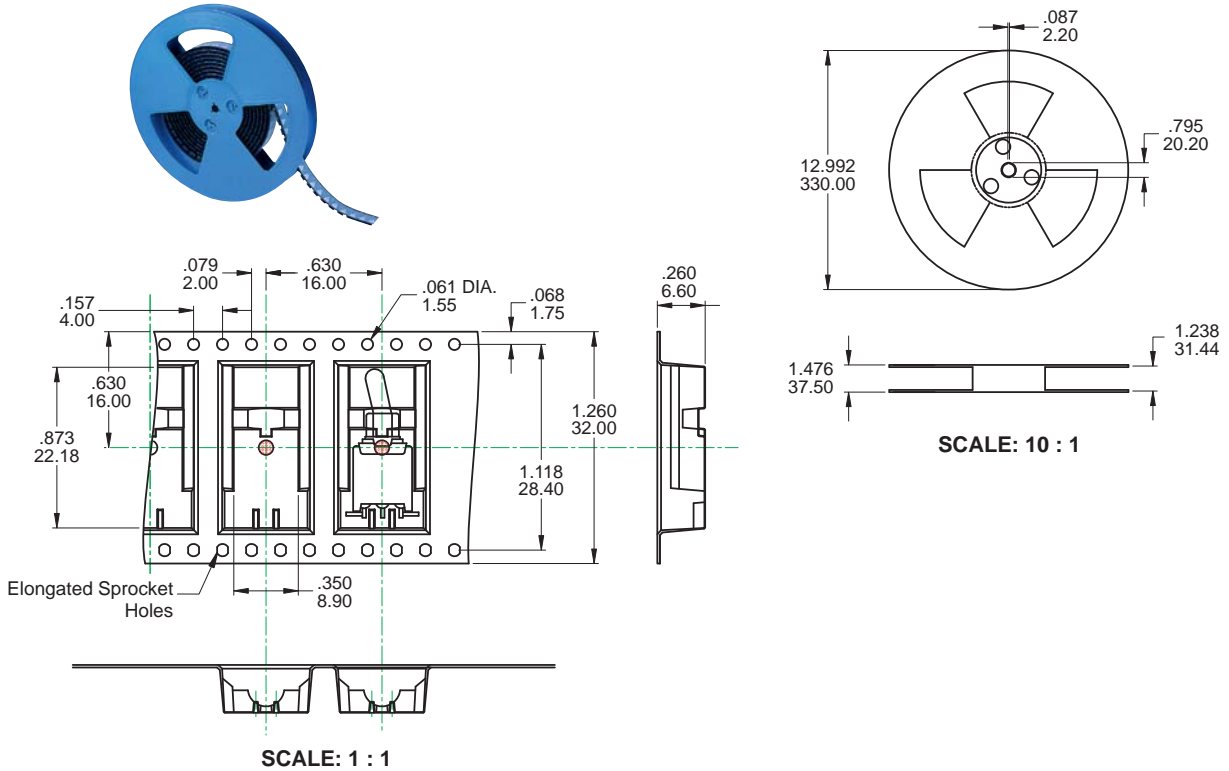
PLASTIC ACTUATOR



## ▼ PACKAGING

Switches available on embossed antistatic tape and reels.

Tape and cover strip are conductive for use near statically sensitive components.



## ▼ CONTACT & TERMINAL PLATING OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
<b>Q</b>	Silver	Gold flash over silver	3 Amps with resistant load @ 120VAC or 28VDC 1 Amps with resistant load @ 250VAC
<b>C</b>	Gold over Silver	Gold over silver	
<b>R</b>	Gold	Gold	0.4 Volt - Amps ( VA ) max. @ 20V max. ( AC or DC )

## ▼ SOLDERING PROCESS

### REFLOW SOLDERING:

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

Duration of solder immersion: Max. 5 sec.

(PCB thickness is 1.6mm)

**SOLDERING:** Vapor phase & IR-reflow soldering can be applied.

