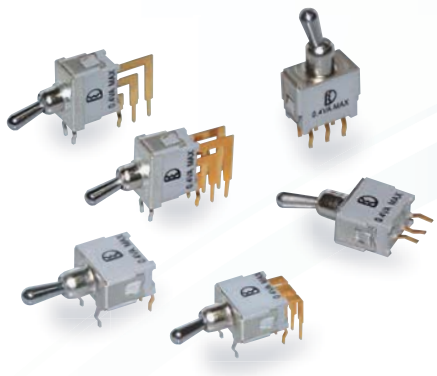


SPECIFICATIONS

CONTACT RATING: Max 0.4 VA max @ 48 VAC or DC
MECHANICAL LIFE: minimum 40,000 operations.
CONTACT RESISTANCE: 50 mΩ max.
INSULATION RESISTANCE: 1,000 MΩ min.
DIELECTRIC STRENGTH: 500 Vrms min.@sea level.
OPERATING TEMPERATURE: -20°C to 85°C.
DEGREE OF PROTECTION: IP67

MATERIALS

ACTUATOR: Brass,chrome plated,internal O-ring seal. Standard for all actuators.
BUSHING & HOUSING: SPCC
CASE: Glass filled nylon 6/6, flame retardant,heat srabilized (UL94v-0)
SWITCH SUPPORT: Brass,tin plated.
CONTACT / TERMINALS: Phosphor bronze gold - plated over nickel barrier.
TERMINAL SEAL: Epoxy

HOW TO ORDER

MODEL NO. | TERMINATIONS | CONTACT MATERIAL | SEAL | RoHS SOLDERING

□□□□□ — □□□ — □ — E — □

Model NO.
2TES1 SP On-None-On
2TES2 SP On-None-Mom.
2TES3 SP On-Off -On
2TES4 SP Mom.-Off-Mom.
2TES5 SP On-Off-Mom.
2TES9 SP Off-None-On
2TED1 DP On-None-On
2TED2 DP On-None-Mom.
2TED3 DP On-Off -On
2TED4 DP Mom.-Off-Mom.
2TED5 DP On-Off-Mom.

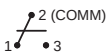
Terminations
M2 PC thru-hole
M6 Right angle, PC thru-hole
M7 Vertical right angle, PC thru-hole

Contact material
R Gold
G Gold,pure-tin

Seal
E EPOXY (std)

RoHS soldering
□ Rohs Compliant
S Rohs & Lead Free
F Halogen Free+RoHS

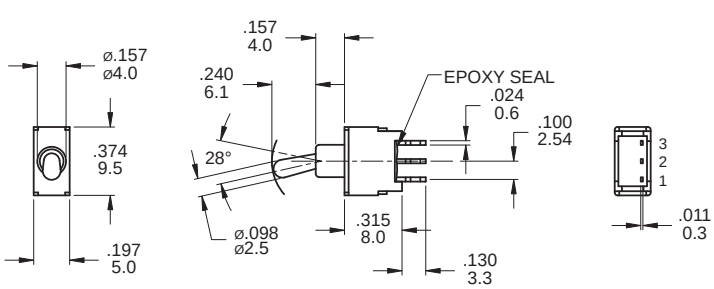
SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
		POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	2TES1	ON	NONE	ON	2-3	N/A	2-1 
	2TES2	ON	NONE	MOM			
	2TES3	ON	OFF	ON		OPEN	
	2TES4	MOM	OFF	MOM			
	2TES5	ON	OFF	MOM			
	2TES9	OFF	NONE	ON	OPEN	N/A	2-1
DP	2TED1	ON	NONE	ON	2-3,5-6	N/A	2-1,5-4
	2TED2	ON	NONE	MOM			
	2TED3	ON	OFF	ON		OPEN	
	2TED4	MOM	OFF	MOM			
	2TED5	ON	OFF	MOM			

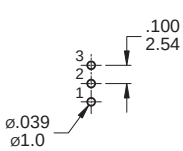
MOM=MOMENTARY

POLE OPTIONS

M2



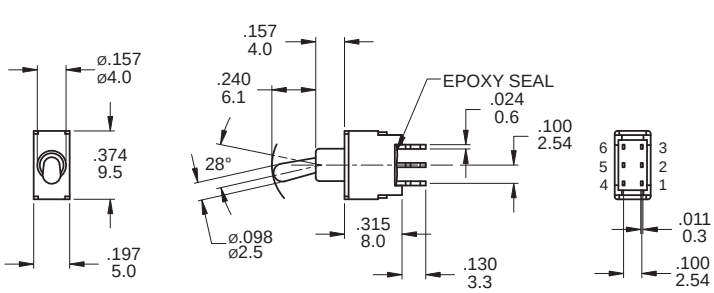
P.C. MOUNTING



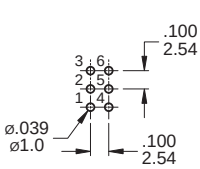
SPDT

Part No. Shown : 2TES1-M2RES

M2



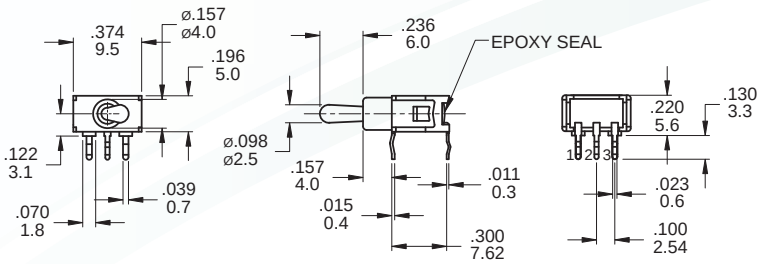
P.C. MOUNTING

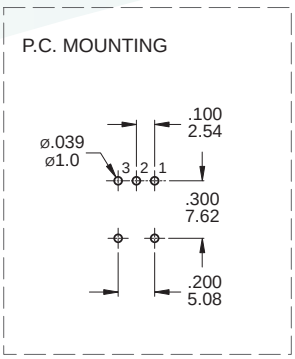


DPDT

Part No. Shown : 2TED1-M2RES

M6

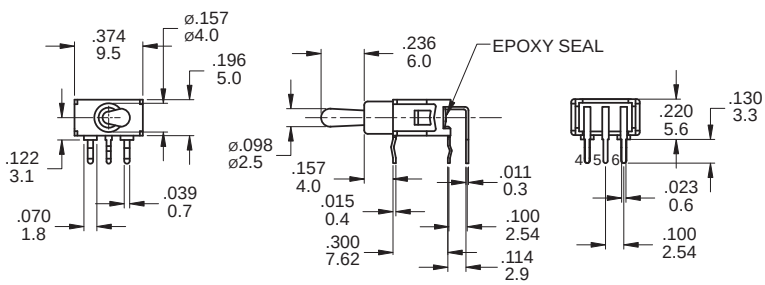


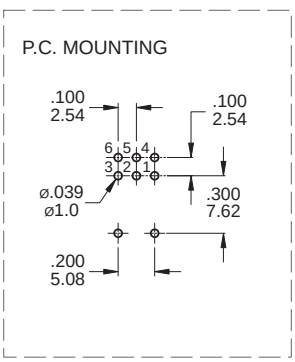


SPDT

Part No. Shown : 2TES1-M6RES

M6

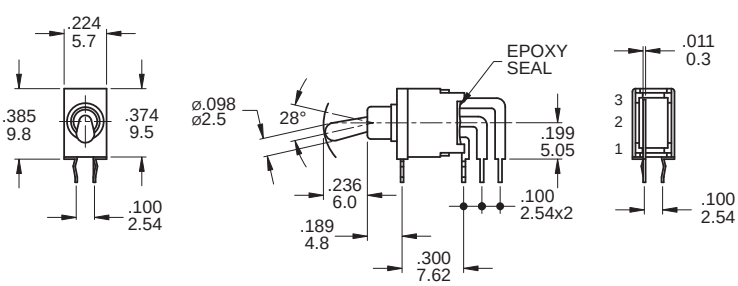


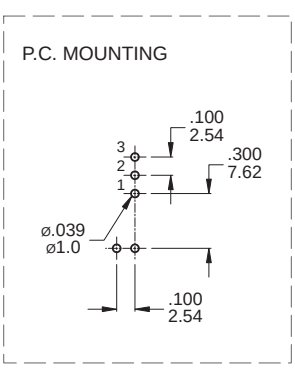


DPDT

Part No. Shown : 2TED1-M6RES

M7

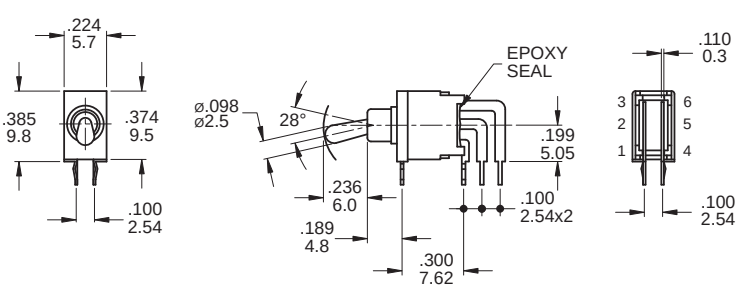


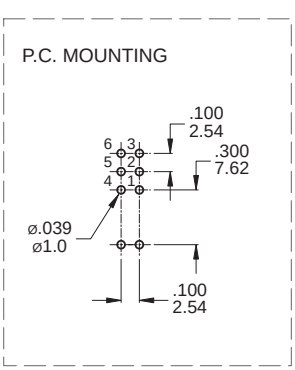


SPDT

Part No. Shown : 2TES1-M7RES

M7





DPDT

Part No. Shown : 2TED1-M7RES

SOLDERING PROCESSES

WAVE SOLDERING: Recommended Soldering Temperature: 260 ± 5°C
Duration of Solder Immersion: Max 5 sec.(PCB is 1.6mm in thickness)