

SR4B Series

Sealed Sub-Miniature Rocker Switches(SMT)



SPECIFICATIONS

CONTACT RATING: Dependent upon contact material.

MECHANICAL LIFE: 50,000 make-and-break cycles.

CONTACT RESISTANCE: 20 m Ω max. initial @ 2-4VDC

100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 1,000 M Ω min.

DIELECTRIC STRENGTH: 1,000 Vrms min.@sea level.

OPERATING TEMPERATURE: -30°C to 85°C.

MATERIALS

CASE & BUSHING: Glass filled nylon 4/6, flame retardant, heat stabilized (UL94v-0).

ACTUATOR: Nylon black std, internal O-ring seal standard with all actuators.

SWITCH SUPPORT: Brass, tin plated.

CONTACT / TERMINALS: Copper alloy, with Silver or gold plated.

IP 67
ACCORDING TO
EN 60529:1991+A1:2001
IEC 60029:2001

UL US
E 187490

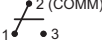
RoHS
compliant

Pb
lead-free

HOW TO ORDER

MODEL NO.	ACTUATOR	TERMINATIONS	CONTACT MATERIAL	SEAL	RoHS SOLDERING
□□□□ Model NO. SR4BS1 SP On-None-On SR4BS2 SP On-None-Mom. SR4BS3 SP On-Off-On SR4BS4 SP Mom.-Off-Mom. SR4BS5 SP On-Off-Mom.	□□□□ Actuator R202 (STD) Rocker	□□□ Terminations MT (STD) Right angle, surface mount. MZ (STD)	□ Contact material Q Silver R Gold G Gold, pure-tin S Silver, pure-tin C Gold over silver K Gold over silver, pure-tin	□ Seal E EPOXY (std)	□ RoHS Soldering □ RoHS Compliant S RoHS & Lead Free F Halogen Free+RoHS

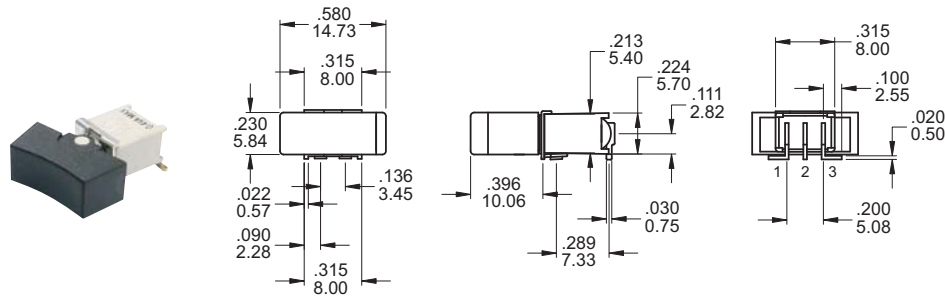
SWITCH FUNCTION

NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
			POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
								
SP	Q24B11	SR4BS1	ON	NONE	ON	2-3 	N/A	2-1 
	Q24B12	SR4BS2	ON	NONE	MOM			
	Q24B13	SR4BS3	ON	OFF	ON		OPEN	
	Q24B14	SR4BS4	MOM	OFF	MOM			
	Q24B15	SR4BS5	ON	OFF	MOM			

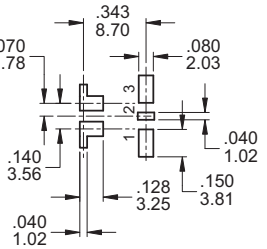
MOM=MOMENTARY

POLE OPTIONS

MT



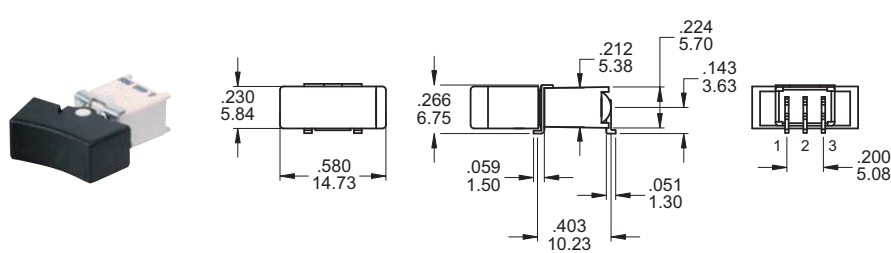
P.C. MOUNTING



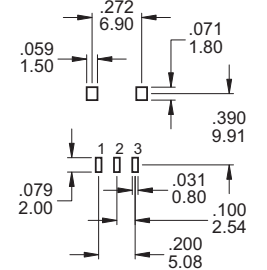
SPDT

Part No. Shown : SR4BS1R202MTRE

MZ



P.C. MOUNTING

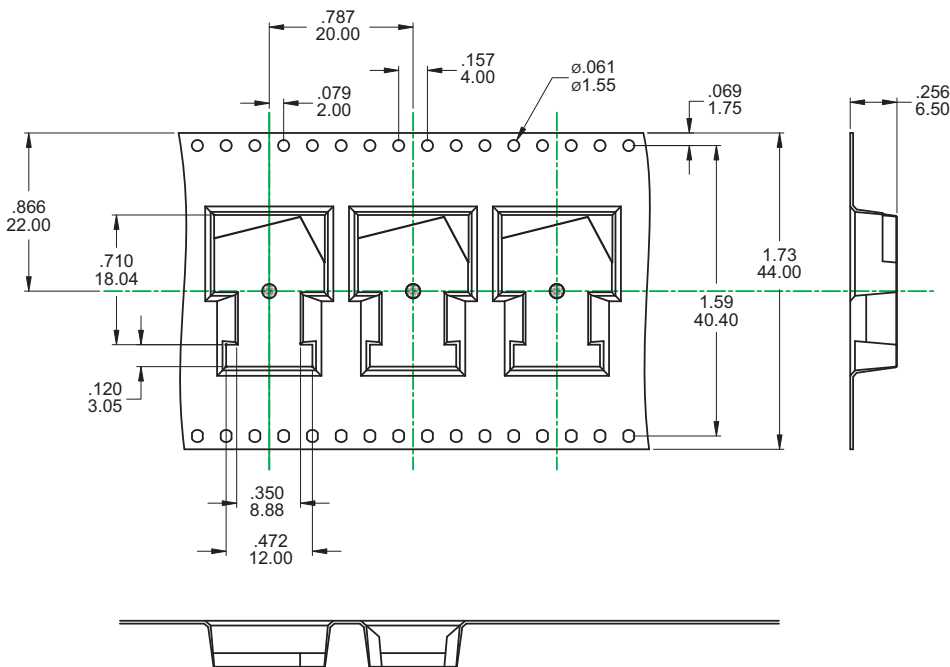
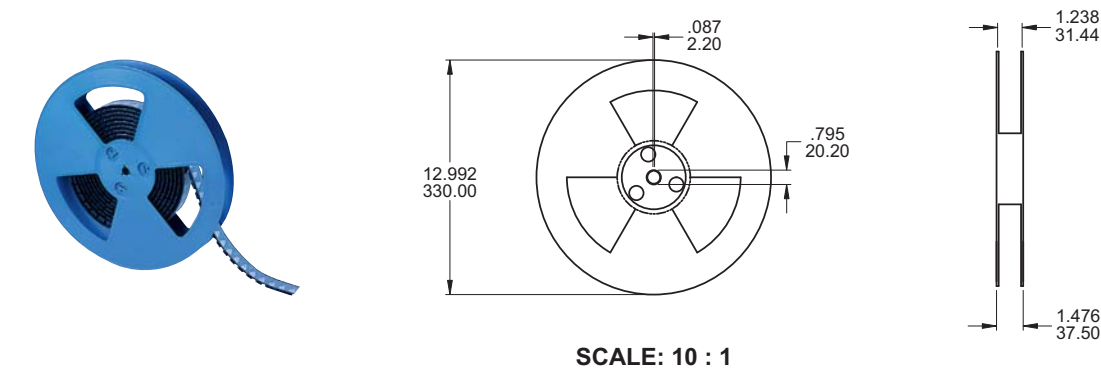


SPDT

Part No. Shown : SR4BS1R202MZRE

PACKAGING

Switches available on embossed antistatic tape and reels.
Tape and cover strip are conductive for use near statically sensitive components.



REEL INFORMATION	
QUANTITY PER REEL	450 / pcs

CONTACT MATERIAL OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Q = Gold flash over silver	3 Amps with resistant load @ 120VAC or 28VDC 1 Amps with resistant load @ 250VAC
S		S = Gold flash over silver,pure - tin	
C	Gold over Silver	C = Gold over silver	
K		K = Gold over silver,pure - tin	
R	Gold	R = Gold	0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)
G		G = Gold,pure - tin	

SOLDERING PROCESSES

WAVE SOLDERING: Recommended Soldering Temperature: $260 \pm 5^{\circ}\text{C}$

Duration of Solder Immersion: Max 5 sec.

(PCB is 1.6mm in thickness)

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

Temperature Profile

Zone	Room Temperature	Time (Sec)
Pre-heat (A)	150°C	Min 120s
Soak (B)	180°C ~ 200°C	Min 150s
Peak (C)	200°C ~ 235°C	Min 30s
Peak (D)	235°C ~ 260°C	Min 40s
Peak (E)	260°C	Max 5s

