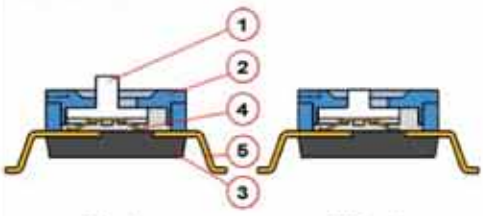
RM & RMR CONSTRUCTION



RM series RMR series

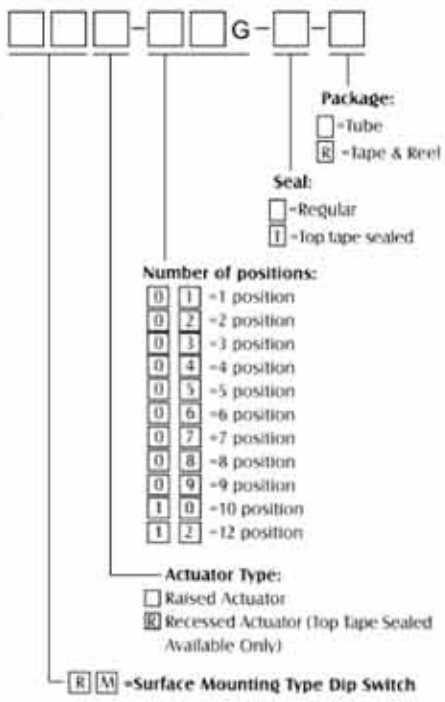
1. RM series (raised actuator) and RMR series (recessed actuator) available for different purposes.
2. Low contact resistance, and self-clean on contact area.
3. Gold plated electrical contact and terminal plating by gold give excellent results when soldering.
4. Double contacts offer high reliability.
5. All materials are UL94V-0 grade fire retardant plastics.

ITEM	Description	Materials	Treatment
1	Actuator	UL94V-0 Nylon	Molded white
2	Cover	UL94V-0 Nylon	Molded black
3	Base	UL94V-0 Nylon	Molded black
4	Contact	Beryllium Copper	Gold plated at contact area
5	Terminal	Brass	Gold plated at contact area and gold plating at terminal

MODEL

PROD NO.	NO. OF POS	DIM A	
RM/RMR-01G	01	3.48	0.137
RM/RMR-02G	02	6.02	0.237
RM/RMR-03G	03	8.56	0.337
RM/RMR-04G	04	11.1	0.437
RM/RMR-05G	05	13.64	0.537
RM/RMR-06G	06	16.18	0.637
RM/RMR-07G	07	18.72	0.737
RM/RMR-08G	08	21.26	0.837
RM/RMR-09G	09	23.8	0.937
RM/RMR-10G	10	26.34	1.037
RM/RMR-12G	12	31.42	1.237

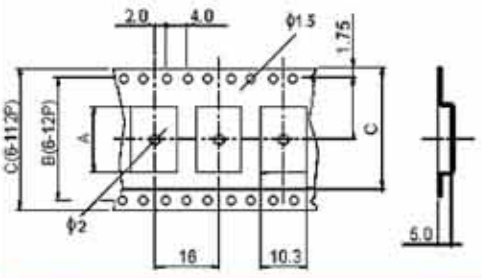
HOW TO ORDER



Example: RMR-08G-T is a surface mounting Type Dip Switch, Recessed Actuator 8 position, with, top tape sealed.

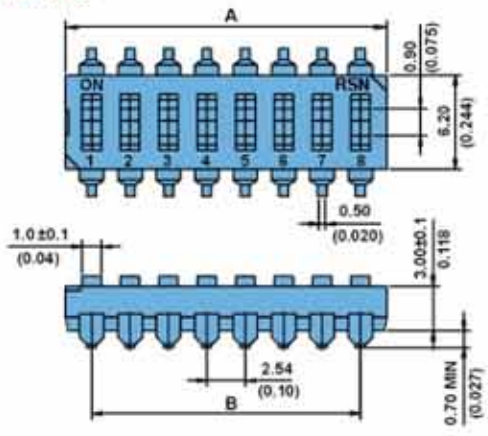
PACKING All DIP switches are shipped in standard IC tubes or Tape & Reel Package with all poles in the "OFF" position.

CARRIER TAPE PACKING

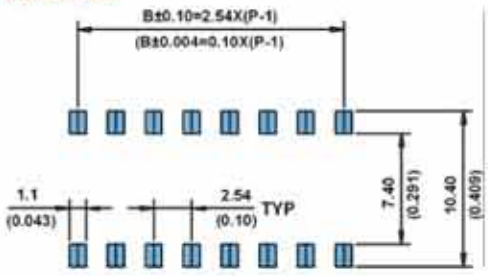


PART NO	NO. OF POS	A	B	C	Q'TY/REEL
RMR-02G-T-R	02	6.50	5.5	16	800 pcs
RMR-03G-T-R	03	9.00	7.5	16	800 pcs
RMR-04G-T-R	04	11.50	11.5	24	800 pcs
RMR-05G-T-R	05	14.10	11.5	24	800 pcs
RMR-06G-T-R	06	16.60	14.2	24	800 pcs
RMR-07G-T-R	07	19.10	14.2	32	800 pcs
RMR-08G-T-R	08	21.70	14.2	32	800 pcs
RMR-09G-T-R	09	24.20	20.2	44	800 pcs
RMR-10G-T-R	10	26.70	20.2	44	800 pcs
RMR-12G-T-R	12	31.90	20.2	44	800 pcs

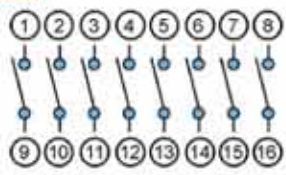
RM SERIES



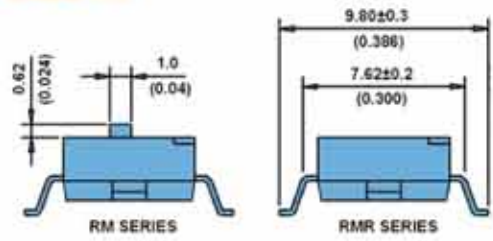
P.C.B. LAYOUT



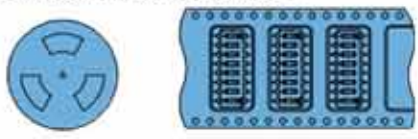
CIRCUIT DIAGRAM



TERMINAL TYPE



Tape & reel packing (Per EIA standards)
For packing details, please refer to pages 13



SPECIFICATION

ELECTRICAL

Electrical life: 2000 operation cycles per switch 24VDC, 25mA.
Non-Switching Rating: 100mA, 50 VDC
Switching Rating: 25mA, 24VCD.
Contact resistance: (a) 50mΩ max. at initial
(b) 100mΩ max. after life test.
Insulation resistance: 100MΩ min. (at 500VDC)
Dielectric Strength: 500VAC/1 minute.
Capacitance: 5pF max.
Circuit: Single pole single throw

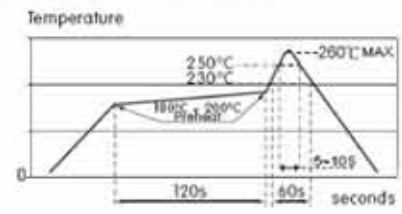
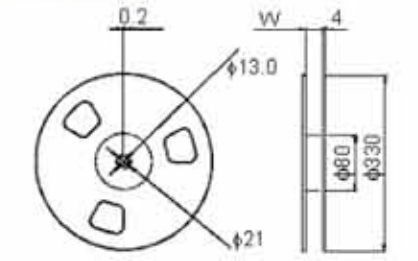
MECHANICAL

Mechanical life: 2000 operations per cycle switch
Operation Force: 600gf max.
Stroke: 0.9mm
Operation Temp: -25° C to +70° C
Storage Temp: -40° C to +85° C
Vibration Test: MIL-STD-202F METHOD 201A
Frequency: 10-55-10Hz/1 min
Directions: X, Y, Z, three mutually perpendicular directions.
Time: 2 hours each direction.
High reliability.
Shock Test: MIL-STD-202F METHOD 213B.
CONDITION A
GRAVITY: 50G (peak value), 11 m/sec.
Direction and times: 6 sides and three times in each direction. High reliability.

SOLDERING AND CLEANING PROCESSES

For best results, please follow these recommendations: Keep all switch contacts in their "OFF" position for all operations.
Soldering: vapor phase & IR-reflow soldering can be applied.
CLEANING PROCESS: Flux clean using force rinse, high agitation or triple bath cleaning method. Freon TF or TE give excellent results. When vapor methods are used, do not subject the switch to solvents at temperatures above 125 F (51° C).

Reflow Temperature Profile. (reference)



CARRIER TAPE PACKING