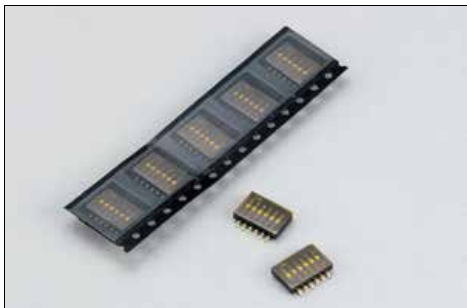
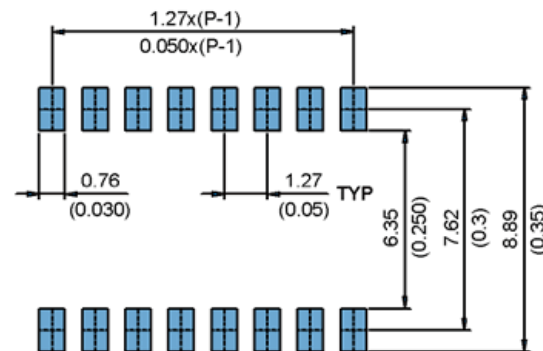
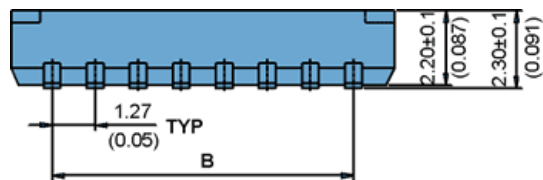
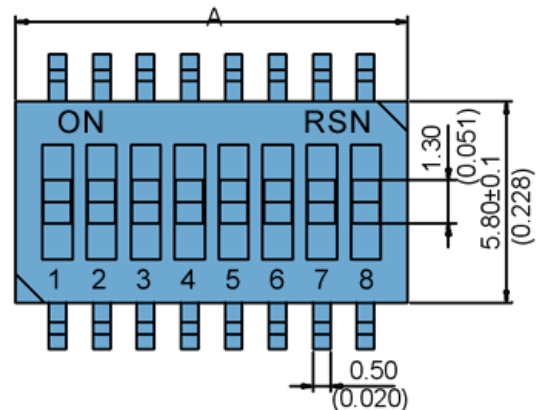
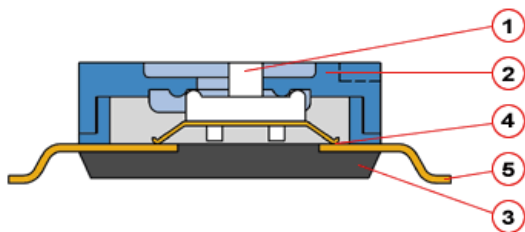


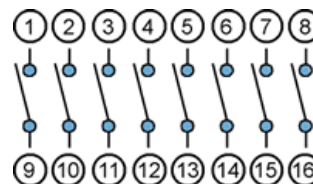
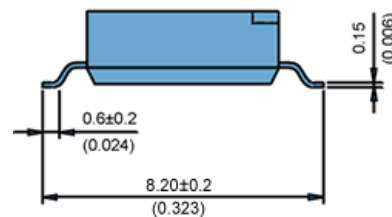
**HRM Series** Half Pitch Type Dip Switch

**RoHS Compliant**
**P.C.B. LAYOUT**

**HRM CONSTRUCTION**


1. Half Pitch (1.27mm) terminal.
2. Gold plated electrical contacts and terminals gives excellent results when soldering.
3. All materials are UL94V-0 grade fire retardant plastics.

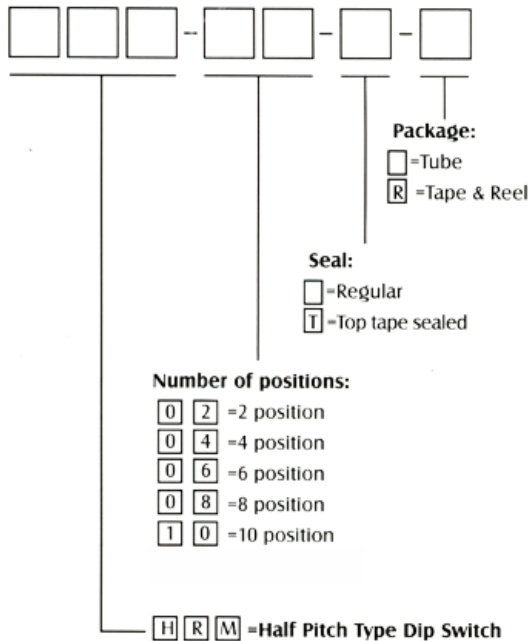
ITEM	Description	Materials	Treatment
1	Actuator	UL94V-0 Nylon	Molded white
2	Cover	UL94V-0 Nylon	Molded black
3	Base	UL94V-0 Nylon	Molded black
4	Contact	Copper	Gold plating
5	Terminal	Brass	Gold plating

**MODEL**

PROD NO.	NO. OF POS	DIM A
HRM-02	2	3.68 (.145)
HRM-04	4	6.22 (.245)
HRM-06	6	8.76 (.345)
HRM-08	8	11.30 (.445)
HRM-10	10	13.84 (.545)

**HOW TO ORDER**
**CIRCUIT DIAGRAM**

**TERMINAL TYPE**


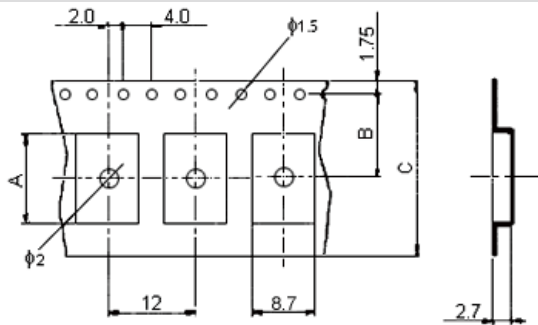
## Dip Switch HRM Series



**Example** HRM is slide type half pitch DIP switch, Recessed Actuator. The amount of actuators, contacts and terminals are based on position number.

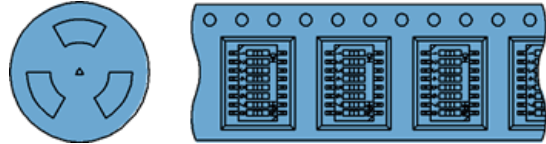
**PACKING** All DIP switches are shipped in standard IC tubes or Tape & Reel Package with all poles in the "OFF" position.

### CARRIER TAPE PACKING



PART NO.	NO. OF POS	A	B	C	QTY/REEL
HRM-02	02	4.10	5.5	12	2000 pcs
HRM-04	04	6.60	7.5	24	2000 pcs
HRM-06	06	9.20	7.5	24	2000 pcs
HRM-08	08	11.70	11.5	24	2000 pcs
HRM-10	10	14.30	11.5	24	2000 pcs

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, 24VDC.  
 Contact resistance: 100mΩ max. at initial  
 Insulation resistance: 100MΩ min. (at 100VDC)  
 Dielectric Strength: 300VAC/1 minute.  
 Capacitance: 5pF max.  
 Circuit: Single pole single throw

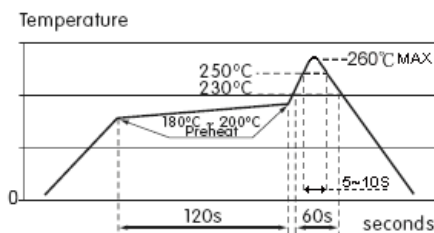
#### MECHANICAL

Mechanical life: 1000 operations per cycle switch  
 Operation Force: 500gf max.  
 Stroke: 0.65mm  
 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

Soldering: vapor phase & IR-reflow soldering can be applied.  
 Cleaning: Freon TE, TF or trichloromethane by ultra-sonic wave washing for two minutes yields excellent results.

### Reflow Temperature Profile. (reference)



### CARRIER TAPE PACKING

