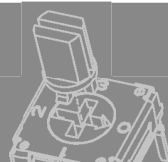


SWITCH ROTARY SWITCH



DRG-6 Series

MINIATURE SIZE □7X3 ROTARY SELECTOR SWITCH



Gull wing
(SMT)



Through hole



J-hook
(SMT)

FEATURES

- Low profile of 3.0 mm, outer dimension 7.2mm square
- Available with spindle or slotted spindle
- Positions and switch code can be identified
- Pin-out is compatible with most of current equivalents
- Gold plated contact area ensures reliable electric continuity for micro current
- Surface mounting type can be supplied in embossed taping for automatic packing
- All plastics are UL 94V-0 grade fire retardant
- RoHS Compliant

SPECIFICATIONS

1. ELECTRICAL

Contact rating	
Max. switching load	100mA, 5 VDC
Min. switching load	10 μ A, 5 VDC
Contact resistance (Initial)	200m Ω Max.
Insulation resistance	100M Ω Min. at 100VDC
Dielectric strength	250VAC(rms.) for 60 seconds

2. MECHANICAL and ENVIRONMENTAL

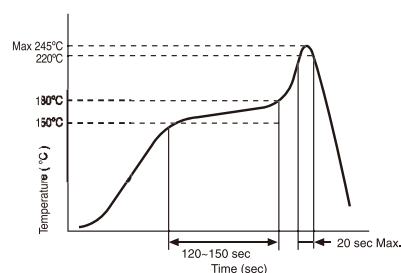
Temperature rating	
operating	-40°C to +85°C
storage	-40°C to +85°C
Operation force	510gf-cm Max.
Mechanical life	10,000 detents Min.
Vibration	10Hz-55Hz-10Hz for 6Hrs.
Solderability	After flux 245 $\pm$ 5°C for 5 $\pm$ 1 seconds
Resistance to soldering heat	
Solder bath	260 $\pm$ 5°C for 5 $\pm$ 1 seconds
Solder reflow	Peak temperature 260°C Max.

3. SOLDERING PROCESS

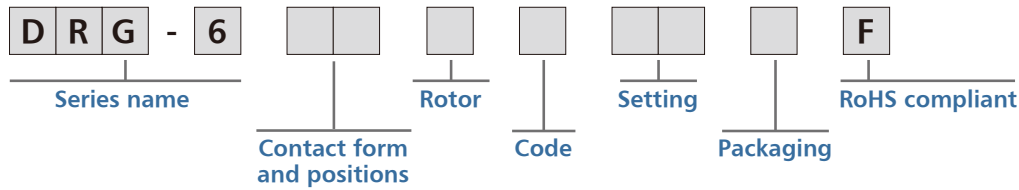
Solder iron	Max. 2sec/350°C
Reflow soldering heat for SMT type(reference only)	

APPLICATIONS

- Address switching applications
- Data storage devices
- Computer and peripherals
- Instrumentation



PART NUMBERING SYSTEM



Series name	
D R G - 6	Miniature size 7x3 rotary selector switch

Contact form and positions	
0 4	SP4T 4 Positions

Rotor	
L	Flat cross shaped slot type
E	Shaft columned spindle
S	"L" type with spindle shaft
H	"L" type with slotted spindle shaft

Code	
0 1	Decimal-01
0 2	Decimal-02

Setting	
	Through hole type with row spacing 7.62mm
J	Surface mounting type with J-hook
M	Surface mounting type with gull wing

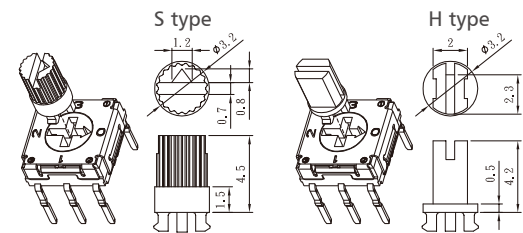
Packaging	
	Tube package
C	Surface mounting type in tape & reel Package

CODE

Decimal type 01		Decimal type 02	
PIN NO.	POSITION	PIN NO.	POSITION
0	●	1	●
1	●	2	●
2	●	3	●
3	●	4	●

OPTIONS

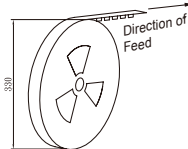
- Special marking available
- Auxiliary actuators
- Shaft available. (For cross shaped slot type only)
118-90500F (S type) 118-90900F (H type)



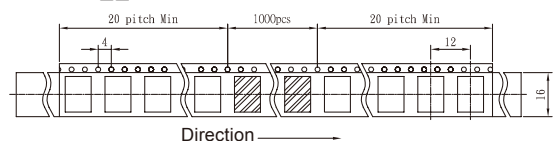
PACKAGING

Packaging Method

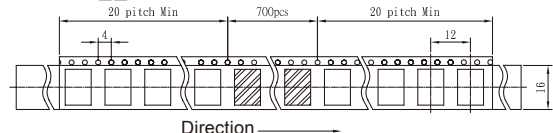
TYPE	PACKAGE	Number of pcs. per IC tube	Number of pcs. per Reel
Through Hole Type		70	-
Surface Mounting Type (Cross shaped slot)		70	1000
Surface Mounting Type (Columned spindle)		70	700



DRG-604L□□MCF
DRG-604L□□JCF



DRG-604E□□MCF
DRG-604E□□JCF



QUICK SELECTION GUIDE

SIZE	POSITIONS	CIRCUIT TYPE	SETTING POSITION	PIN OUT	SHAPE OF TERMINAL	PART NUMBER
7 x 7	4	1 POLE 4 CONTACTS	TOP SETTING	3 : 3	TH WITH ROW SPACING 7.62mm	DRG-604□□□F
					SMT WITH GULL WING	DRG-604□□□MF
					SMT WITH GULL WING IN T&R	DRG-604□□□MCF
					SMT WITH J-HOOK	DRG-604□□□JF
					SMT WITH J-HOOK IN T&R	DRG-604□□□JCF

ROTARY SWITCH

DIMENSIONS & CIRCUITRY

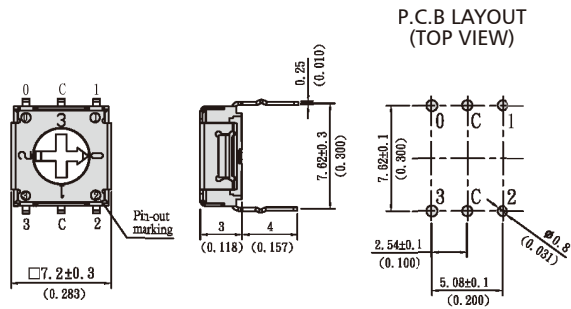
Unit mm (inch)

CROSS SHAPED SLOT

THROUGH HOLE TYPE WITH ROW SPACING 7.62mm

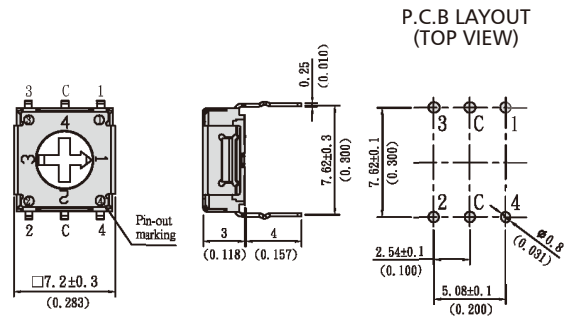
DRG-604L01F

Decimal Type 01



DRG-604L02F

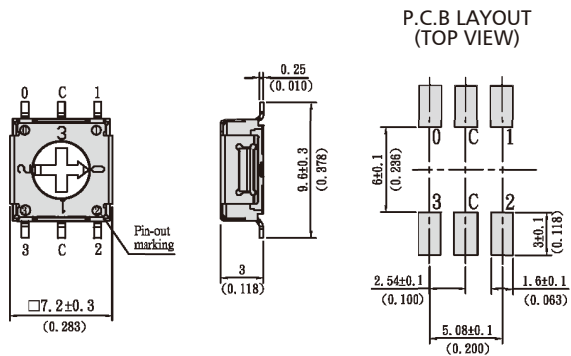
Decimal Type 02



SURFACE MOUNTING TYPE WITH GULL WING

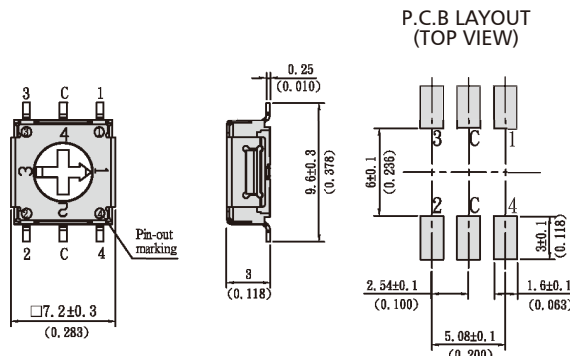
DRG-604L01MF

Decimal Type 01



DRG-604L02MF

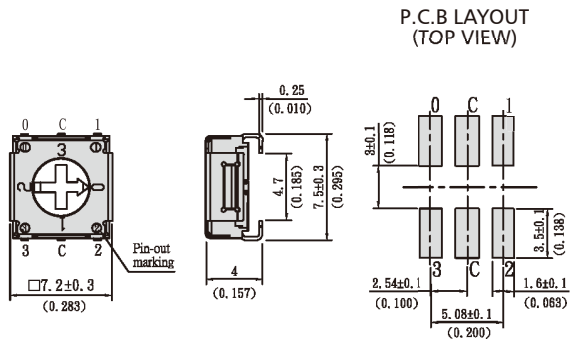
Decimal Type 02



SURFACE MOUNTING TYPE WITH J-HOOK

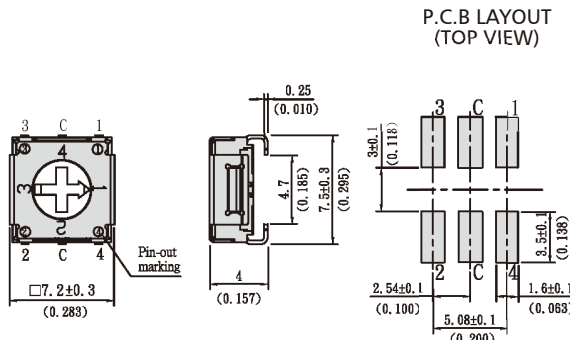
DRG-604L01JF

Decimal Type 01



DRG-604L02JF

Decimal Type 02



DIMENSIONS & CIRCUITRY

Unit mm (inch)

COLUMNED SPINDLE

THROUGH HOLE TYPE WITH ROW SPACING 7.62mm	DRG-604E01F Decimal Type 01 	DRG-604E02F Decimal Type 02
SURFACE MOUNTING TYPE WITH GULL WING	DRG-604E01MF Decimal Type 01 	DRG-604E02MF Decimal Type 02
SURFACE MOUNTING TYPE WITH J-HOOK	DRG-604E01JF Decimal Type 01 	DRG-604E02JF Decimal Type 02