



4700 SERIES

MICRO-DIP® SMT PRINTED CIRCUIT BOARD SWITCHES

The 4700 Series MICRO-DIP® is a true SURFACE MOUNT version of our popular MICRO-DIP family.

Like all EECO MICRO-DIPS, the **4700 Series** permits direct setting of binary-coded values for PROMs and other user-addressable devices. All materials used in the **4700 Series** were carefully selected to withstand the rigors of the surface-mount process, then engineered into an ultra low profile, fully sealed package. The compact dimensions of the **4700 Series** require minimal board space and permit closely stacked PCB designs. The ultra low profile design allows unrestricted heat flow during installation, eliminating the possibility of shadowing adjacent components. The **4700 Series** is covered by a one year warranty.

All **4700 Series** products are Lead-Free and RoHS compliant.



SPECIFICATIONS

MECHANICAL

No. of Switching Positions	10 16
Life	20,000 Detents at Rated Load
Rotational Torque (Initial)	1.0 Inch/Ounce Minimum

ELECTRICAL

Minimum Rated Load	1 μ A At 20 mV, AC/DC
Maximum Rated Load, Non-Switching	100 mA At 50 VDC
Maximum Rated Load, Switching	30 mA at 15 VDC
Contact Resistance (Initial)	200 m Ω Maximum At 1.5 mA, 0.2 mV
Insulation Resistance	1,000 M Ω Minimum At 100 VDC
Dielectric Withstanding Voltage	250 VAC

ENVIRONMENTAL

Operating Temperature	-25°C To +75°C
Storage Temperature	-40°C To +85°C
Seal	Full Process Seal

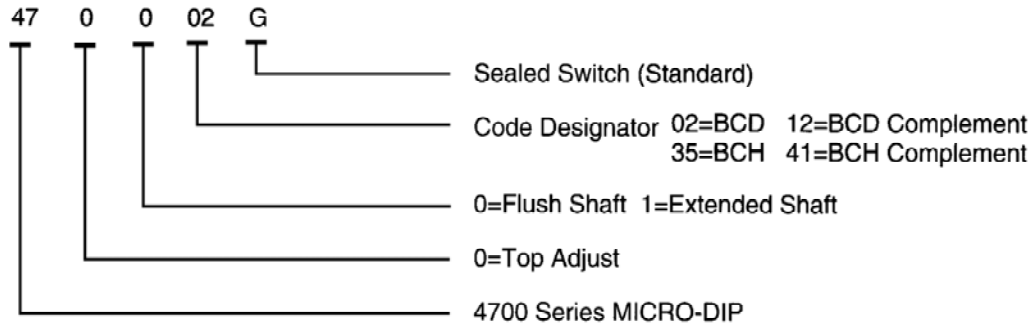
MATERIALS

Housing	Stainless Steel
Base	Polyphenylene Sulfide
Rotor	High Temperature Polyamide Resin
O-Ring	Silicon Rubber
Contact and Terminal	Phosphor Bronze, Gold Over Nickel Plate

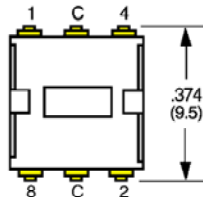
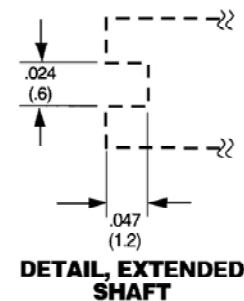
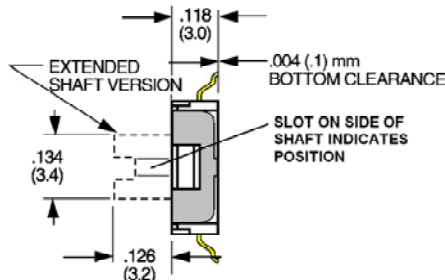
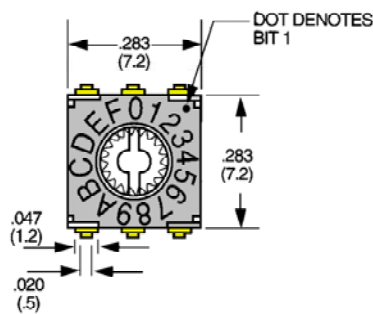
RoHS COMPLIANCE

EECO Switch is fully committed to complying with the European Lead-Free and RoHS directives. The 4700 Series is Lead-Free and RoHS compliant.

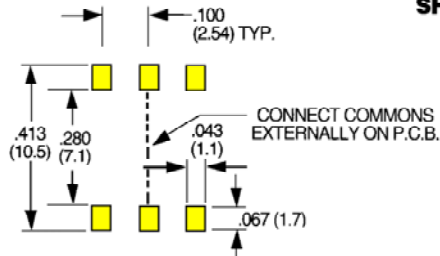
PART NUMBERS AND DIMENSIONS



NOTE: Tape and reel packaging available. Consult factory for information.



TERMINAL IDENTIFICATION
Note: Identical for all versions



SURFACE MOUNT PAD LAYOUT

B02

BCD 1-Pole 10-Position									
D	Common (C) connected to terminals indicated								
A	1	2	4	8					
L	1	2	4	8					
0									
1									
2									
3									
4									
5									
6									
7									
8									
9									

BCD

B07

BCH 1-Pole 16-Position															
D	Common (C) connected to terminals indicated														
A	1	2	4	8											
L	1	2	4	8											
0															
1															
2															
3															
4															
5															
6															
7															
8															
9															
A															
B															
C															
D															
E															
F															

BCH

C12

BCD Complement Only 1-Pole 10-Position									
D	Common (C) connected to terminals indicated								
A	1	2	4	8					
L	1	2	4	8					
0									
1									
2									
3									
4									
5									
6									
7									
8									
9									

BCD COMPLEMENT

C16

BCH Complement Only 1-Pole 16-Position															
D	Common (C) connected to terminals indicated														
A	1	2	4	8											
L	1	2	4	8											
0															
1															
2															
3															
4															
5															
6															
7															
8															
9															
A															
B															
C															
D															
E															
F															

BCH COMPLEMENT

TRUE CODES: WHITE ROTORS
COMPLEMENT CODES: RED ROTORS

Refer to EECO Switch document "Soldering and Cleaning Specifications" for processing information.

EECO SWITCH

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