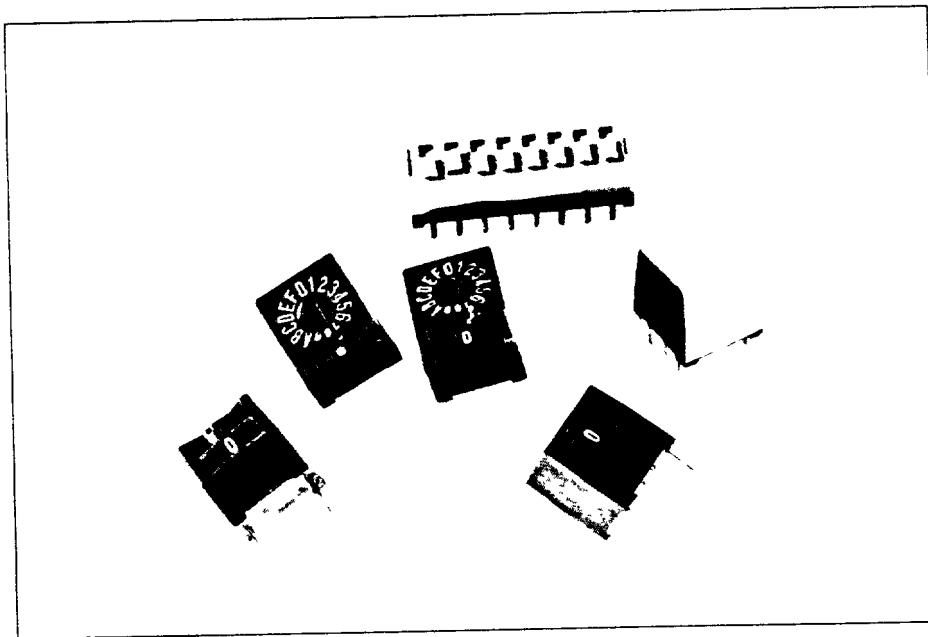


143-615

MINIATURE DIL ROTARY BCD CODED SWITCH

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TYPE 41J



41J Switch is designed for direct PCB mounting. This low cost switch is adjustable through 16 positions to give BCD 1-2-4-8 coding. Change of set code is made by means of screwdriver slot on top of the body or by thumbwheel adjustment on front. Each setting method has visual indication of set position. The switch mounts into the standard 7.62mm IC matrix. The P.C. terminals are sealed with epoxy resin to prevent contamination by soldering. Internal construction is airtight to give a high degree of setting stability. Switches are supplied with a special masking tape seal to prevent ingress of Flux vapour and PCB cleaning solutions. Plastic materials used in the body are flame retardant and contacts are gold plated.

SPECIFICATION

Setting positions	16 positions
Contact Rating	Switching 100mA @ 5V DC Non switching 100mA @ 50V DC
Contact Resistance	100mΩ max (10mA 5V DC)
Insulation Resistance	1000MΩ min.
Dielectric Strength	200V RMS - 1 min
Life	10,000 detent
Operating Force	150 gm-Cm (centre) 400 gm-Cm (outer)
Temperature	-10°C to + 60°C operating -25°C to + 75°C non operating
Materials	Housing FR nylon Contacts Phosphor bronze, gold plated over nickel PCB FR4 glass epoxy, gold plated over nickel

APPLICATIONS

CODING-IN COMPUTERS, SONOBUOYS, UNDERWATER WEAPONS, TELEPHONE EQUIPMENT,
ELECTRONIC INSTRUMENTS ETC

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Fig. 1 - Masking tape.
Fig. 2 - Epoxy sealed.

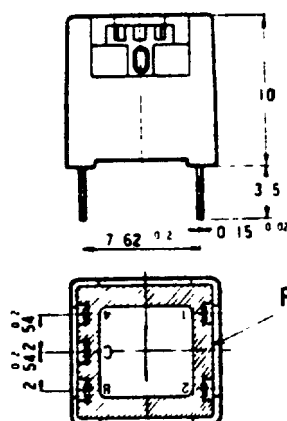


Fig. 2

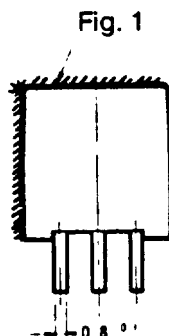
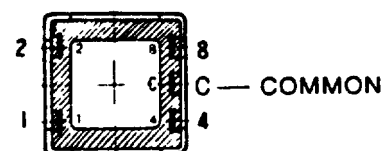


Fig. 1

Terminal Position
(Rear View)



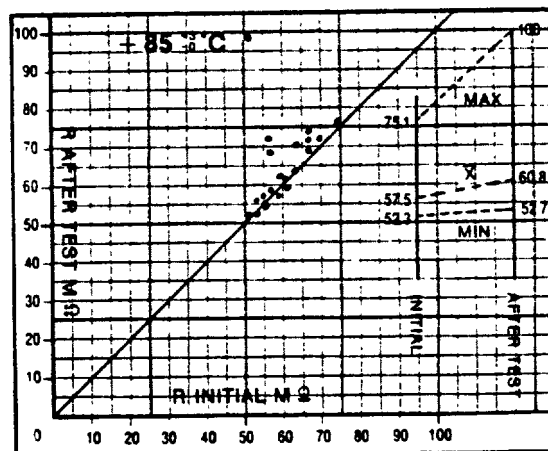
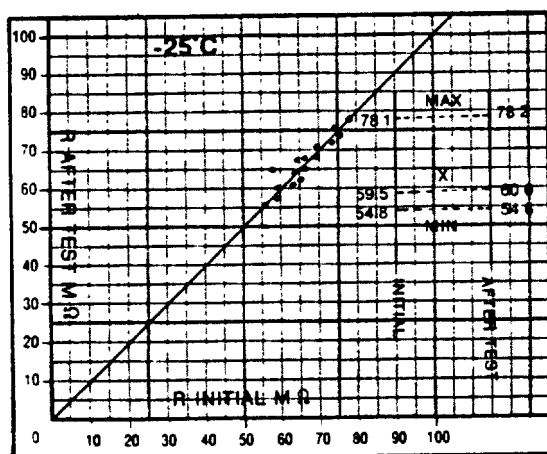
SWITCH CODE B07

A	B			
	1	2	4	8
0				
1	•			
2		•		
3	•	•		
4			•	
5	•		•	
6		•	•	
7	•	•	•	
8				•
9	•			•
A		•		•
B	•	•		•
C			•	•
D	•		•	•
E		•	•	•
F	•	•	•	•

A - Rotary position indication.
B - Common terminal C is connected with the terminals shown.

ENVIRONMENTAL DATA

Typical change in contact resistance when switches are conditioned at -25°C and +85°C for 48 hours.



ORDERING: ORDER AS BCD SWITCH 41J/B07

OTHER SWITCH PRODUCTS: Contact us for data.

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PILOT MINIATURE TOGGLES
MICROCURRENT TOGGLES
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DIL SWITCHES

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PROXIMITY SWITCHES
MICRO SWITCHES
THUMBWHEEL SWITCHES

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