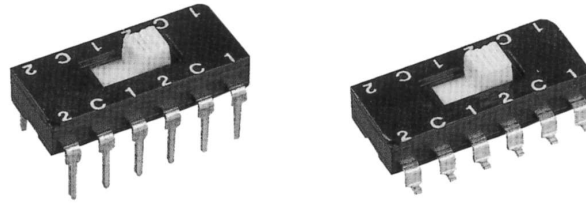


# DSP 4PDT SERIES

## SELECTOR SWITCH "IC" AND "SMT" TYPE



### ◆ Features

- Molded .300" integrated circuit packing outline allowing automatic insertion.
- Smaller size makes better heat convection during PC board reflow wave soldering.
- Top tape sealed to withstand wave soldering, board washing.
- Housing materials are UL 94V-0 grade fire retardant plastics.
- Gold plated contact to ensure low contact resistance and tin plated terminal to prevent contamination during soldering (**tin/gold**).

### ◆ Applications

- Ideal as function and band selector switch in radio-cassette recorder, office equipment, TV sets, VCR, etc.

### ◆ Specifications

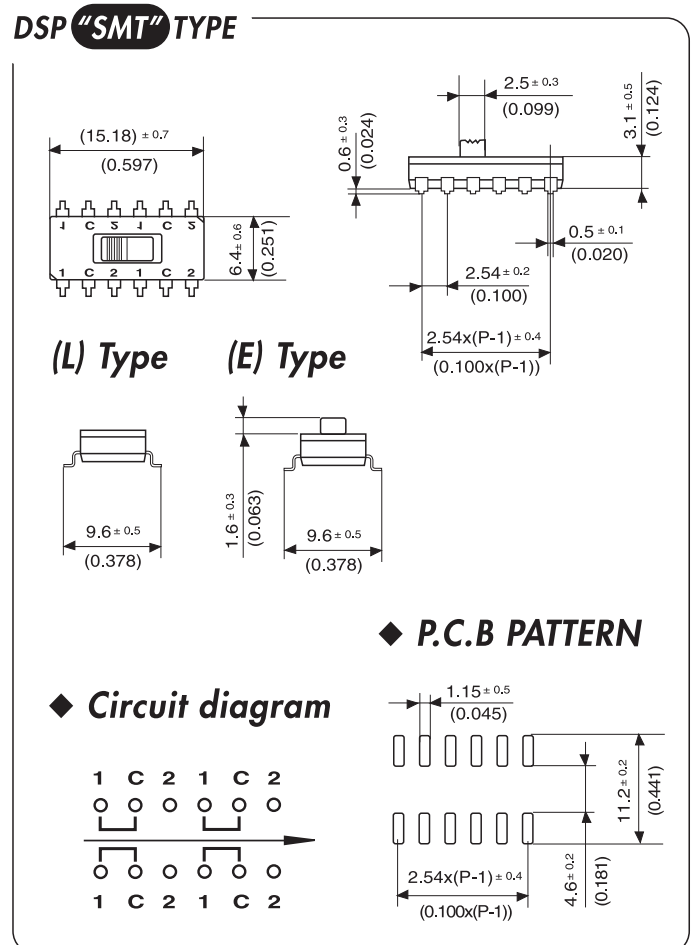
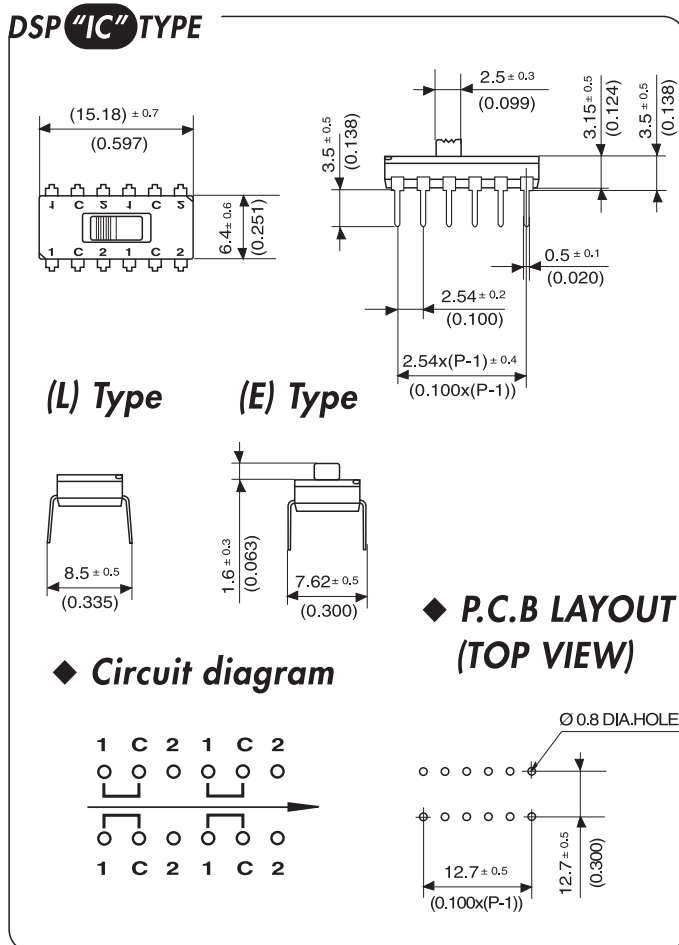
#### 1. ELECTRICAL

1-1 Contact Rating	
- switching	: 25 mA, 24 VDC
- non-switching	: 100 mA
1-2 Contact Resistance	
- initial	: 50 mΩ max.
- after life test	: 100 mΩ max.
1-3 Insulation Resistance	: 1000 MΩ min. at 100 VDC
1-4 Dielectric Strength	: 500 VDC for 1 min.
1-5 Capacitance between adjacent switches	: 5pF max.

#### 2. MECHANICAL and ENVIRONMENTAL

2-1 Temperature rating	
- operating	: -25°C to +70°C
- storage	: -40°C to +85°C
2-2 Operating force	: 100 g min. / 1000 g max.
2-3 Mechanical life	: 10000 operations
2-4 Humidity	: 95% RH, 40°C for 96 hours
2-5 Vibration	: 10 Hz – 50 Hz – 10 Hz for 6 hours
2-6 Solderability	: 95% coverage after 230°C +/- 5 for 5 sec.
2-7 Soldering temperature	
- through hole wave soldering	: 260°C max. for 5 seconds
- SMT reflow soldering	: 210°C for 20 seconds, 230°C peak for 3 sec.

### ◆ Dimensions and circuitry



### ◆ Part Numbering System

**DSP - 42 - XX XX Z**

