

## 16mm Rotary Encoder

### Type DP16 Series

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16mm Rotary incremental encoder for use in electronic equipment.

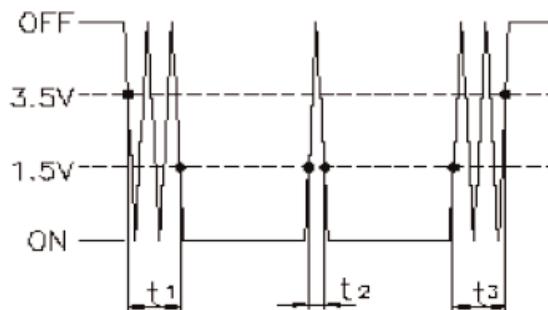
Can be supplied with customisation to standard options

#### Key Features

- 16mm Rotary Encoder
- Incremental Type
- Various Shaft Lengths
- Pulse Options
- Detent Options

#### Characteristics - Electrical

Pulses:	12 & 24
Contact Rating:	5VDC @ 5mA
Dielectric Strength:	50VAC / 1mA, 1 minute
Insulation Resistance (min):	10M ohms at 50VDC
Operating Speed (RPM):	60 RPM
Electrical Travel:	Continuous
Rotational Noise:	$t_2 = 2.0$ ms max (see below)
Chattering:	$t_1 & t_3 = 3.0$ ms max (see below)



Code Off area V = 3.5V or more. Code on area V=1.5V or less

#### Characteristics - Mechanical

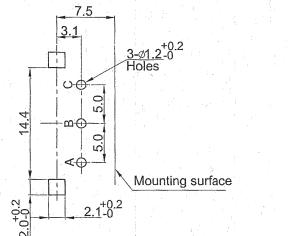
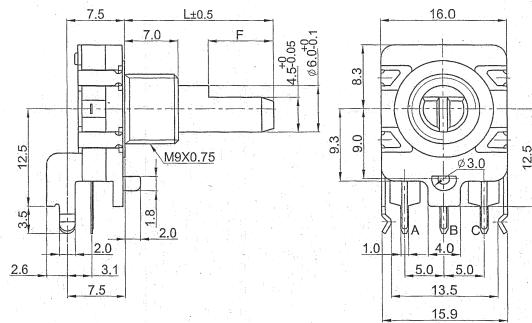
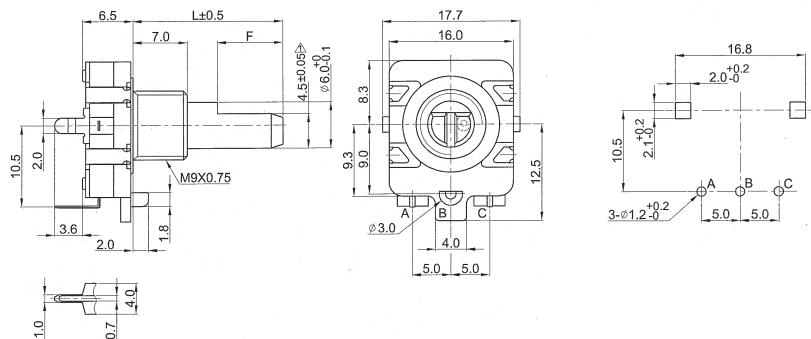
Total Mechanical Travel:	Continuous
Detents:	0, 12, 24
Shaft Type:	F – Flattened
Shaft Length (from Mounting Surface):	15, 20, 25

#### Characteristics - Environmental

Operating Temperature	-10 ~ +70 degrees C
Rotational Life	15,000 Cycles

#### Output Signal Format

Shaft Rotational Direction	Signal	Format
Clockwise	A (Terminal A-C)	OFF ON
	B (Terminal B-C)	OFF ON
Anticlockwise	A (Terminal A-C)	OFF ON
	B (Terminal B-C)	OFF ON

**Dimensions  
DP16H**

**DP16V**

**Shaft Length**

<b>L</b>	15	20	25
<b>F</b>	7	12	12

**How to Order**

<b>DP16</b>	<b>H</b>	<b>N</b>	<b>12</b>	<b>A</b>	<b>15</b>	<b>F</b>
<b>Common Part</b>	<b>Orientation</b>	<b>Detent</b>	<b>Pulses</b>	<b>Bush Details</b>	<b>Shaft Length</b>	<b>Shaft Style</b>
DP16 – No Switch	H - Horizontal V - Vertical	N - None 12 – 12 Clicks 24 – 24 Clicks	12 – 12 Pulses 24 – 24 Pulses	A – 5mm B – 7mm	15 – 15mm 20 – 20mm 25 – 25mm	F - Flatted

# Mouser Electronics

Authorized Distributor

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[DP16VN12A15F](#)