

# **16mm Rotary Encoder**

# Type DP16 Series

16mm Rotary incremental encoder for

Can be supplied with customisation to

16mm Rotary EncoderIncremental Type

Various Shaft Lengths

use in electronic equipment.

standard options

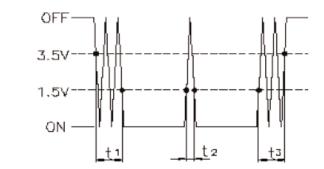
**Key Features** 

Pulse OptionsDetent Options

### Characteristics -Electrical

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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:	t2 = 2.0 ms max (see below)		
Chattering:	t1 & t3 = 3.0 ms max (see below)		



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

#### Characteristics -Mechanical

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Total Mechanical Travel:	Continuous
Detents:	0, 12, 24
Shaft Type:	F – Flatted
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)	
	B (Terminal B-C)	
Anticlockwise	A (Terminal A-C)	
	B (Terminal B-C)	OFF

Literature No. 1-1773449-1 Issued: 02-08

Dimensions are shown for reference purposes only.

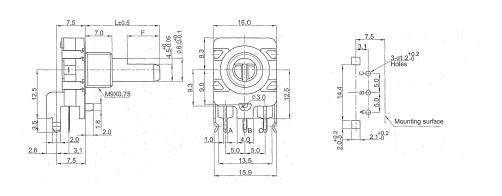
Dimensions are in millimetres unless otherwise specified. Specifications subject to change.



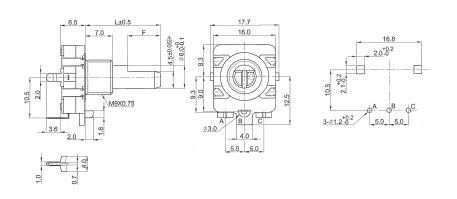
# **16mm Rotary Encoder**

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#### Dimensions DP16H



## DP16V



# Shaft Length

L	15	20	25
F	7	12	12

How to Order	r					
DP16	н	N	12	Α	15	F
Common Part	Orientation	Detent	Pulses	<b>Bush Details</b>	Shaft Length	Shaft Style
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

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# **Mouser Electronics**

Authorized Distributor

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TE Connectivity: DP16V2424A25F