

11mm Rotary Encoder

Type DP11 Series

Type DP11 Series



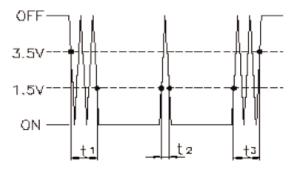
11mm Rotary incremental encoder for use in electronic equipment. Can be supplied with or without switch with customisation to standard options

Key Features

- 11mm Rotary Encoder
- Incremental Type
- Push on Switch Option
- Various Shaft Lengths
- Pulse Options
- Detent Options

Characteristics - Electrical

Pulses:	15, 20				
Contact Rating:	10mA 5VDC				
Dielectric Strength:	300VAC / 1mA, 1 minute				
Insulation Resistance (min):	100M ohms at 250VAC				
Operating Speed (RPM):	60 RPM				
Switch Power Rating (where fitted):	16VDC, 3A (10mA Min)				
Switch Contact Resistance:	100m ohm Max				
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

Total Mechanical Travel:	Continuous
Detents:	0, 20, 30
Switch Operating Force:	612+/- 306gf (for 1.5mm Switch Travel 400+/- 200gf)
Switch Travel:	0.5mm (1.5mm available on request)
Shaft Type:	F – Flatted, K – Knurled, S – Slotted, P - Plain
Shaft Length (from Mounting Surface):	15, 20, 25, 30 (FMF)

Characteristics - Environmental

Operating Temperature	-10 ~ +45 degrees C
Rotational Life	15,000 Cycles

Output Signal Format

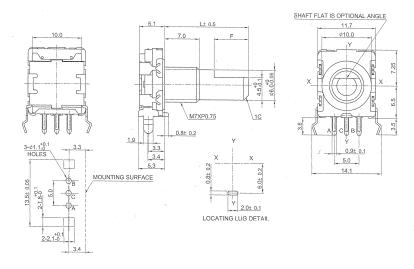
Shaft Rotational Direction	Signal	Format			
Clockwise	A (Terminal A-C)	OFF 7			
	, ,	ON			
Olockwise		OFF T			
	B (Terminal B-C)	ON L			
Anticlockwise		OFF — —			
	A (Terminal A-C)				
		ON			
	B (T : 150)	OFF 7			
	B (Terminal B-C)	ON			
		0			



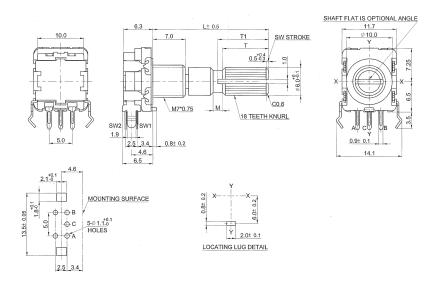


Type DP11 Series

Dimensions DP11H



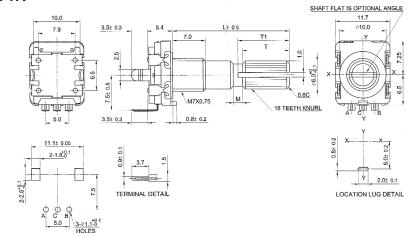
DP11SH



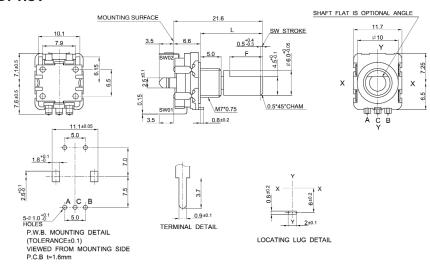


Type DP11 Series

Dimensions DP11V

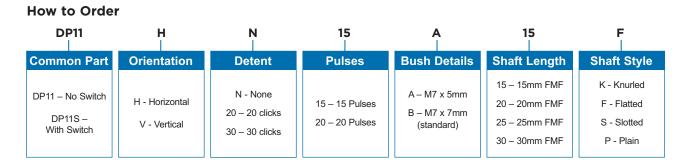


DP11SV



Shaft Dimensions

Bush			F				7		
Shaft	Code	5mm				7mm			
К	L	15	20	25	30	15	20	25	30
	T1	7	7	11	14	6	7	11	14
	Т	6	6	10	12	5	6	10	12
	М	2	2	2	4	1	1	2	4
F	L	15	20	25	30	15	20	25	30
	F	7	12	12	12	5	7	12	12



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity: DP11V2020B15K