Rotary Encoder

Model EN16 Series

Features:

- 16 mm
- 2 bits gray code
- Incremental/contacting type
- Metal bushing/shaft

RoHS 2 compliant



Model Styles Available

Top Adjust, PCB pins	EN16-H
Side Adjust, PCB pins	EN16-V

Electrical

Pulses (Per Revolution)	12 & 24
Closed Circuit Resistance, Ohms	3 Ohms, max.
Contact Rating	0.5mA/ 5Vdc
Operating Current, Maximum	0.5mA
Dielectric Strength	50Vac/ 1mA, I minute
Insulation Resistance, Minimum	10M ohms at 50Vdc/ 1mA
Sliding Noise (at 60 RPM)	2.0ms max.
Contact Bounce (at 15 RPM)	5.0ms max.
Operating speed (RPM)	100 RPM max.
Actual Electrical Travel, Nominal	Continuous

Mechanical

Total Mechanical Travel	Continuous
Detents (per Revolution)	0,12, 24
Rotational Torque of Detent, Maximum	2.5 oz-in

Environmental

Operating Temperature Range	-30°C to +85°C
Rotational Life	30,000 cycles

General Note
TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

© TT electronics plc

TT Electronics | BI Technologies
413 Rood Rd, Suite 7
Calexico, CA 92231

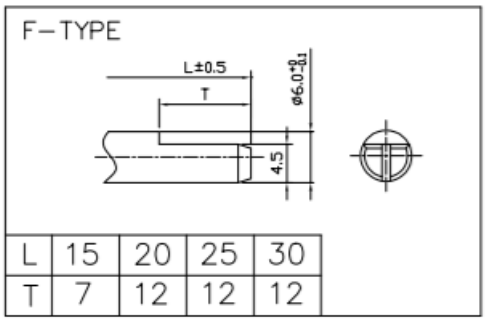
Ph: +1 714 447 2345
www.ttelectronics.com/bi-technologies

Ordering

EN16 - V 1 1 A F 20

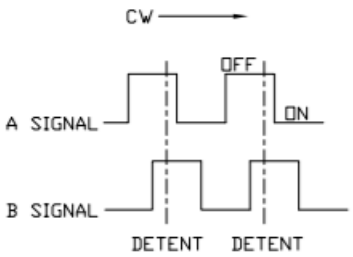
- Model Series
- Style
- Pulses: 1=12 Pulses, 2=24 Pulses
- Detents : 0 = No Detent, 1= 12 Detents (for 12 pulses only), 2= 24 Detents (for 24 pulses only)
- Bushing Length (M) A = 5mm, B = 7mm
- Flatted Shaft
- Shaft Length "L" see below

Shaft Length options



L	15	20	25	30
T	7	12	12	12

Circuit Diagram



General Note
TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

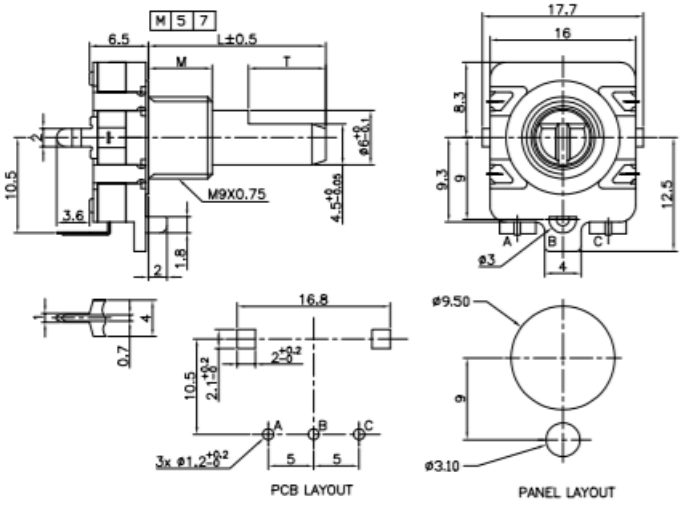
© TT electronics plc

TT Electronics | BI Technologies
413 Rood Rd, Suite 7
Calexico, CA 92231

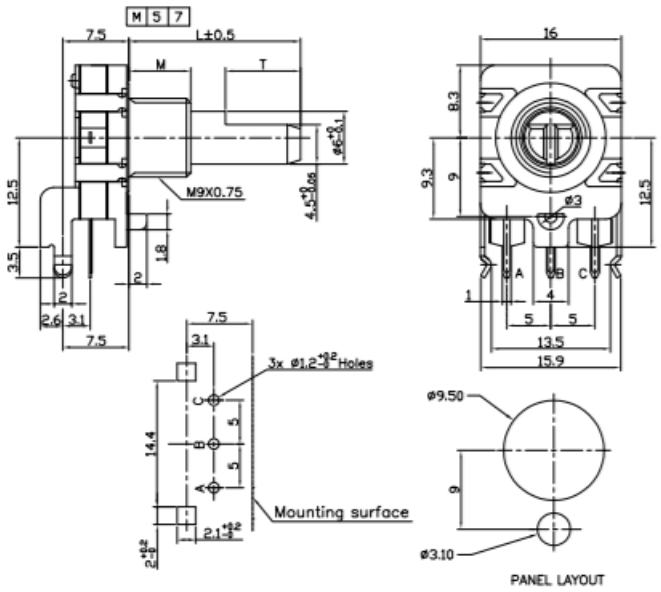
Ph: +1 714 447 2345
www.ttelectronics.com/bi-technologies

Outline Drawings

EN16-H (Top Adjust, PCB pins)



EN16-V (Side Adjust, PCB pins)



General Note
TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

© TT electronics plc

TT Electronics | BI Technologies
413 Rood Rd, Suite 7
Calexico, CA 92231

Ph: +1 714 447 2345
www.ttelectronics.com/bi-technologies

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TT Electronics:

ASC1206-150KFT5 OAR5 - R020FI OVLBB4C7 WCR1206-200KFI WDBR122RKT APC0805RD-10KBT5 MFR3-10RFC P160KNP-0QC20A10K RC55Y-210KBI SQP7S-82RJB15 LR1206-R10FW PCF0603R-100KBT1 LRMAP3920C-R001FT MFC0805-R10FT5 WHS3-33RJA1 WA84-180RJI WH10-100RJI WP4S-1R5JA2 67WR5KLFTB BPR10101J CAW104R70JLF PCF0603PR-1K-BT1 W24-33KJI WCR0805-82KFI WH25-8R2JI OPB829CZ WH5-50RJI OARS-XP-0R001 OPB802W55Z PCF0402PR-180RBT1