Model EN12

12mm Rotary Encoder

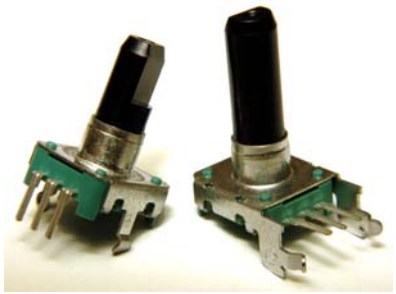
2 Bits Gray Code

Incremental/Contacting Type

Metal Bushing/Plastic Shaft

Push-on Switch Option

RoHS Compliant



MODEL STYLES

Top Adjust, with Switch	EN12-HS
Top Adjust, without Switch	EN12-HN
Side Adjust, with Switch	EN12-VS
Side Adjust, without Switch	EN12-VN

ELECTRICAL[1]

Pulses (Per Revolution)	12 & 24
Closed Circuit Resistance, Ohms	3 Ohms, max.
Contact Rating	1mA/ 5Vdc
Operating Current, Maximum	1mA
Dielectric Strength	300Vac/ 1mA, I minute
Insulation Resistance, Minimum	100M ohms at 250Vdc/ 1mA
Sliding Noise (at 60 RPM)	2.0ms max.
Contact Bounce (at 15 RPM)	5.0ms max.
Operating Speed (RPM)	100 RPM max.
Switch Power Rating	10mA/ 5Vdc
Switch Contact Resistance	100 milliohms
Actual Electrical Travel, Nominal	Continuous

MECHANICAL

Total Mechanical Travel	Continuous
Detents (per Revolution)	0, 12, 24
Rotational Torque of Detent, Maximum	1.4 oz-in
Switch Operating Force	550 gf
Switch Travel	0.5mm

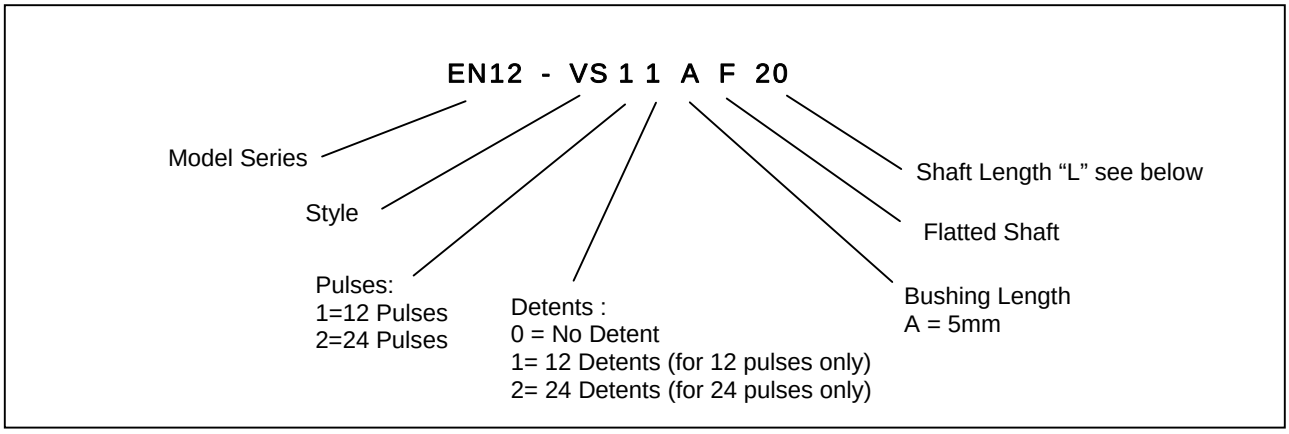
[1] *Specifications subject to change without notice.*

BI Technologies Corporation
4200 Bonita Place, Fullerton, CA 92835 USA
Phone: 714 447 2345 Website: www.bitechnologies.com

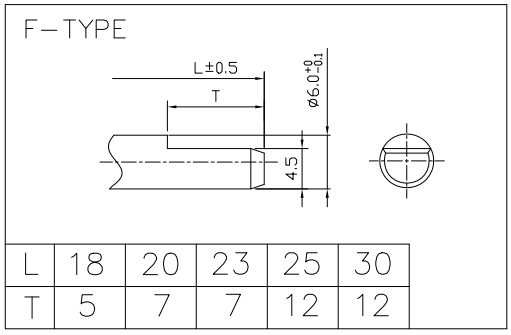
ENVIRONMENTAL

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

ORDERING INFORMATION[2]



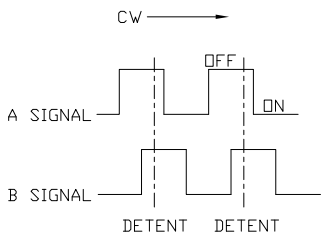
Shaft Length Options



L	18	20	23	25	30
T	5	7	7	12	12

18 Length = 17.5mm
23 Length = 22.5mm

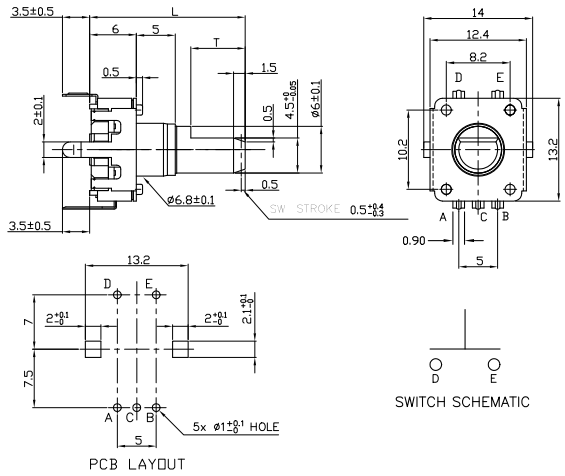
CIRCUIT DIAGRAM



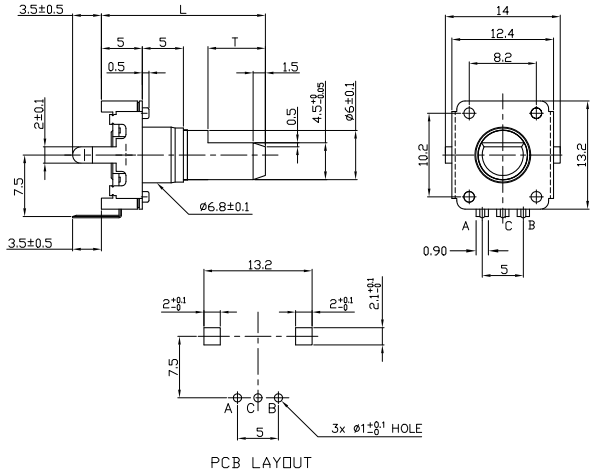
[2] *Contact our customer service for custom designs and features.*

OUTLINE DRAWING

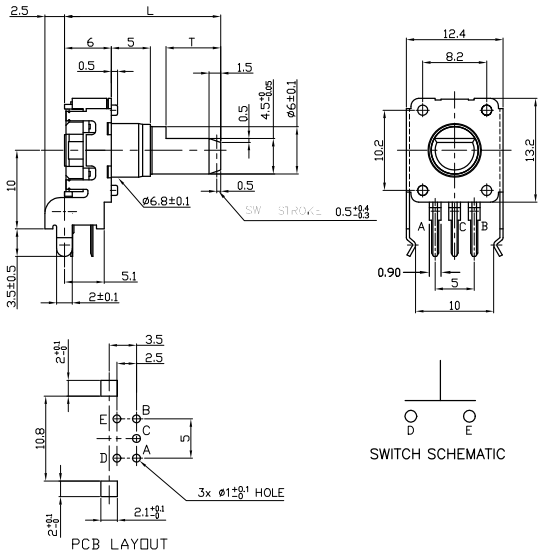
EN12-HS (Top Adjust, with Switch)



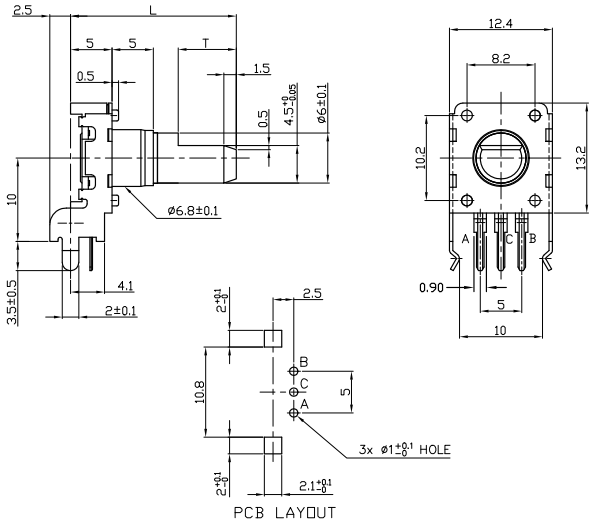
EN12-HN (Top Adjust, without Switch)



EN12-VS (Side Adjust, with Switch)



EN12-VN (Side Adjust, without Switch)



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