



**Rotary Encoder  
Incremental output  
INA, INB, GRAY  
Heavy Torque**

**REB161 Series**

**Feature**

- Heavy torque 40 ~ 50 Nm
- Incremental output
- INA, INB or Gray code output
- Choices of shaft shape & length
- Choice with and without detent

**Application**

Home appliances

Radio



**Specification**

Output	INA or INB	Gray
Operating Temperature Range	-10 to 70	-10 to 70
Rated Voltage	5V DC	12V DC
Maximum Operating Current	0.5mA	4mA
Resolution	12 or 24 pulses/360 ° endless	4 bit 16 pulses/360 ° endless
Insulation Resistance	10 M min.	10 M min
Detent position and angle	12 detents 30+/-3 ° or or 24 detents 15+/-3 °	16 detents 22.5+/-3 °
Torque	40 to 50 mN.m	40 to 50 mN.m
Life (cycles)	50,000 (INA) 100,000 (INB)	50,000
Dimensions	Dia. 16.0 x t = 6.5 mm	Dia. 16.0 x t = 6.5 mm