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Encoder Series: Qube22
Part #: 2202401000

List Price: (USD)	\$461
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Average Leadtime	10 Business Days
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Technical Data

Description

The 22 NexGen Qube encoder is built tough for industrial applications like measuring cut-to-length or size for the Textile, Metal, Lumber and Rubber Industries. Its size makes it flexible for use in industrial applications where measuring mechanical motion is critical. The redesign delivers a more rugged encoder. The upgraded features such as increase shaft loading, expanded resolution (3600 PPR), a

phased array ASIC sensor technology which significantly reduces the number of board level components in the encoder and the improved shock spec as well as an improved vibration spec provides a more robust encoder that ultimately allows for a more reliable encoder in an industrial application while increasing product lifetime.

General Attributes

Feedback Type

Incremental

Technology Sensing Type

Optical

Weight (Pounds)

2.9

Mechanical Attributes

Connection Location

Radial

Connection Type

Connector

Disk Material

Aluminum

Flange Material

Aluminum

Housing Material

Aluminum

Maximum Operating Speed (RPM)

6000

Shaft / Bore Material

Stainless Steel

Shaft / Bore Size (mm)

9.525

Shaft Loading Axial (mm)

355.86

Shaft Loading Radial (mm)

355.86

Shaft Type

Shafted

Special Shaft Feature

Single Shaft without Shaft Seal

Starting Torque (Ncm)

1.77

Termination

6 Pin MS

Electrical Attributes

Duty Cycle

45-55%

Incremental Signals

A, B

Input Voltage

5-26 VDC

Line Driver Type

7273

Maximum Frequency Response (KHz)

125

Output Signal

Open Collector w/ 2.2K Ohm

Resolution (PPR)

240

Reverse Polarity Protection

Yes

Short Circuit Protection

Yes

Environmental Attributes

Hazardous Area Rating

[None]

Hazardous Area Rating Certification

[None]

Housing Protection Level

IP67

Humidity Non-Condensing (%)

98

Maximum Operating Temperature (°C)

100

Maximum Storage Temperature (°C)

100

Minimum Operating Temperature (°C)

-40

Minimum Storage Temperature (°C)

-40

Noise Immunity Testing Specification

EN61326-1

Shock Resistance

100G, 11msec

Vibration Resistance

20G, 5-2000Hz

Downloadable Resources

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[2202401000 Datasheet](#)

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