



Danaher - Slo-Syn Stepping Motors

M091-FD-456



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The **M091-FD-456** is a part of the **Slo-Syn Stepping Motors Series** by **Danaher**.

Specifications

Acceleration:	100,000 rad/sec ²	Bearing Life (L10):	2 billion revolutions	Bore Size:	0.250 or 0.375 in
Cycles Per Revolution:	200, 400, 500, or 1250 lines/rev	Frequency Accuracy:	±3.0 arc minutes	Frequency Modulation:	±0.5% @50 kHz (1% w/ complements)
Frequency Response:	100 kHz	Mounting Holes:	2x#4-40 on 1.812 in BC; ±0.005 in TIR	Operating Temperature:	SPR10°C to +80°C (to +100°C w/ complements)
Output (Differential):	26LS31 drivers, sink 20 mA	Output (TTL):	Square-wave TTL, sink 10 mA; short-circuit protected	Output Format:	Dual-channel quadrature; min 45° separation
Shaft Dimensions:	Ø0.2495 ^{SPR} to 0.2500 or 0.3745 ^{SPR} to 0.3750 in; ±0.70 in length	Slew Speed:	Up to 15,000 rpm (7,000 rpm alt config)	Storage Temperature:	SPR20°C to +100°C (or SPR40°C to +110°C)
Supply Voltage:	5 VDC	Last Verified:	07/25/2025 4:38 PM		

Contact Us

1620 Old Apex Road, Cary, NC 27513, USA

Toll Free: [1-888-551-3082](tel:1-888-551-3082)

International: [1-919-443-0207](tel:1-919-443-0207)

Fax: [1-919-867-6204](tel:1-919-867-6204)

Email: sales@automation-factory.com

Shipping Options



Payment Methods



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