

CL 8x2mm Electric Feeder

8mm tape • 2mm pitch • for 0402 chip components

Part No. (CL): KW1-M1400-00X | CLi / electric NC variant: CLi-825 series

Overview

The Yamaha CL 8x2mm feeder loads 8mm-wide carrier tape and advances it at a 2mm pitch, supplying 0402-size chip components to Yamaha YV/YG/YS-series pick-and-place machines. The original CL feeder is mechanically/pneumatically driven; the electric (NC / CLi) generation replaces the air-driven mechanism with a servo/stepper indexing drive for higher feed accuracy, electronic pitch control, and reduced air consumption. The 8x2mm tape guide carries a 2.5mm component pocket depth for 0402 parts.

Specifications

Parameter	Specification
Series	Yamaha CL / CLi (electric NC variant)
Model designation	CL 8x2mm (8mm tape, 2mm pitch)
Primary part number	KW1-M1400-00X (CL, 0402)
Component size	0402 chip components
Tape width	8 mm
Feed pitch	2 mm
Pocket / groove depth	2.5 mm (tape guide 8x2)
Drive type	Electric servo/stepper indexing (CLi/NC); pneumatic on legacy CL
Tape type	Paper & embossed carrier tape, reel-fed
Mounting	Yamaha CL feeder bank / feeder cart interface
Compatible platforms	Yamaha YV, YG, YS series mounters (model-dependent)
Related 8mm options	CL 8x4mm (0603/0805/1206) KW1-M1100-000

CL 8mm Feeder Part Number Reference

Feeder	Component	Part No.
CL 8x2mm	0402	KW1-M1400-00X
CL 8x2mm	0201	KW1-M1500-030
CL 8x4mm	0603 / 0805 / 1206 / SOT23	KW1-M1100-000

Handling & Maintenance Notes

- Match the feeder pitch (2mm) to the tape pocket pitch of the 0402 reel to ensure reliable single-part advance.
- If feeding is not smooth, check the sprocket and reel: a stuck or non-rotating reel that is damaged should be replaced; light resistance on a free-rotating reel is normal.
- Keep the tape guide and pickup window clean; debris in the 2.5mm pocket area is a common cause of mispicks on 0402.

- Electric (NC/CLi) feeders index electronically — verify the feeder is correctly seated and recognized by the mounter before production.

Datasheet compiled from publicly available distributor specifications. Part numbers and compatibility vary by machine model and revision — confirm against Yamaha official documentation before ordering. "Yamaha" and model names are trademarks of their respective owners.
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