

# TAIYO YUDEN

Requests For Quotes? Samples? Registrations?  
[RFQ@t-yuden.com](mailto:RFQ@t-yuden.com)

Please find the below NPI details Taiyo Yuden's newest addition to the MD series of MCOIL power inductors.

- **Product category:** Inductors -> Power Inductors -> SMD -> Metal Core
- **Product details and merit:** Taiyo Yuden's latest NPI expands the MD series MCOIL metal core power inductors with 0.56uH, 22uH, 33uH inductance values in a 4.0mm x 4.0mm package with a max height of 2.0mm. Utilizing Taiyo Yuden's strength's as a materials company, these inductors achieve saturation currents up to 13A, 2.1A , and 1.7A respectively due to the in-house development of metal magnetic materials with high magnetic saturation density. These additions to the MDWK4040 family of products feature competitive pricing, improved from initial family release.
- **Applications / where to sell:**
  - o Anti-noise measure in power supply circuits
  - o Applications needing inductors with higher current ratings
  - o Downsize solution to save board space and materials costs
- **Competitors:**
  - o Delta / Cynotec SDER series
  - o Bourns SRN series
  - o Abracon ASPI series
  - o Laird TYS series
  - o TDK VLS series



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MANUFACTURER PART NUMBER	DESCRIPTION	DISTRIBUTION MOQ COST	DESIGN WIN?
MDWK4040TR56NM	INDUCTOR,SMD HIGH CURRENT, 0.56 uH± 30 %,T&R	\$0.1366	Yes, greater than \$100K
MDWK4040T220MM	INDUCTOR,SMD HIGH CURRENT, 22 uH± 20 %,T&R	\$0.1366	Yes, greater than \$100K
MDWK4040T330MM	INDUCTOR,SMD HIGH CURRENT, 33 uH± 20 %,T&R	\$0.1366	Yes, greater than \$100K