

TAIYO YUDEN's

Inductors for optical transceivers in AI data centers



Inductor for high-frequency noise suppression

LSQPB / LSQNB



- High SRF
- Low DCR
- High impedance

Inductor for DC-DC

LSCN* Series



- Small
- High Current
- Low DCR

- Size: 1608(0603)~2012mm(0805inch)
- Inductance: 0.47~100uH
- LSQPB Series with middle rated current and LSQNB series with low DCR.
- Size: 1005(0402)~2012mm(0805inch)
- Inductance: 0.1~2.2uH
- LSCN* Series with high rated current

Inductor for high-frequency noise suppression

Series name	L×W [mm]	T [mm]	L [uH]	I (max) [A]	Rdc (max) [Ω]
LSQPB	1.6 × 0.8	0.7	1.0 to 15	0.15 to 0.51	0.299 to 3.328
LSQNB	1.6 × 0.8	1.0	1.0 to 47	0.05 To 0.29	0.1170 to 3.250
LSQPB	2.0 × 1.25	1.0	0.47 to 100	0.085 To 1.50	0.0624 to 0.39

Inductor for DC-DC

Series name	L×W [mm]	T [mm]	L [uH]	I (max) [A]	Rdc (max) [Ω]
LSCNB	1.0 × 0.5	0.55	0.1 to 1.0	0.8 to 2.0	0.050 to 0.300
LSCNB/LSCND	1.6 × 0.8	0.8 to 1.0	0.24 to 2.2	1.3 to 3.7	0.024 to 0.250
LSCNA	2.0 × 1.25	1.00	0.24 to 1.0	2.1 to 4.0	0.025 to 0.090