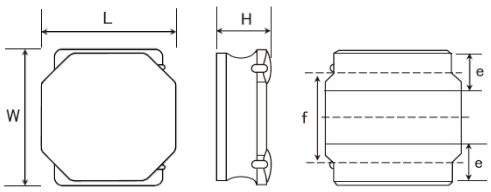
Spec Sheet

SMD Power Inductors (NR series S type)

NRS4012T470MDGJ



Features

- Item Summary

  47uH±20%, 0.35A, 4.0x4.0x1.2mm

- Lifecycle Stage

  Mass Production

- Standard packaging quantity (minimum)

  Taping Embossed 4500pcs

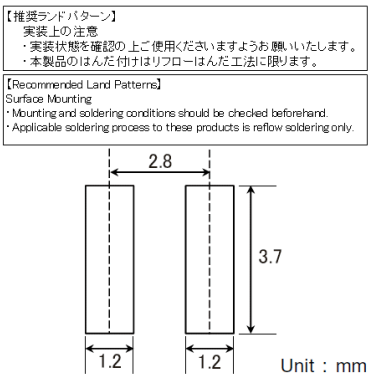
Products characteristics table

Inductance	47 uH ± 20 %
Case Size (mm)	4.0x4.0
Rated Current (max)	0.35 A
Saturation Current (max)	0.35 A
Saturation Current (typ)	0.43 A
Temperature Rise Current (max)	0.42 A
Temperature Rise Current (typ)	0.47 A
DC Resistance (max)	0.924 Ω
DC Resistance (typ)	0.77 Ω
LQ Measuring Frequency	100 kHz
Self Resonant Frequency (min)	12 MHz
Operating Temp. Range	-25 to +125 ℃ (Including-self-generated heat)
Temperature characteristic (Inductance change)	± 20 %
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (168 subst.)	Yes
Soldering	Reflow

External Dimensions

Dimension L	4.0 ±0.2 mm
Dimension W	4.0 ±0.2 mm
Dimension H	Max 1.2 mm
Dimension e	1.1 ±0.2 mm
Dimension f	2.5 ±0.2 mm

Recommended Land Patterns



2016.11.18

The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
TAIYO YUDEN reserves the right to make change to the Date at any time without notice.
Before making final selection, please check product specification.