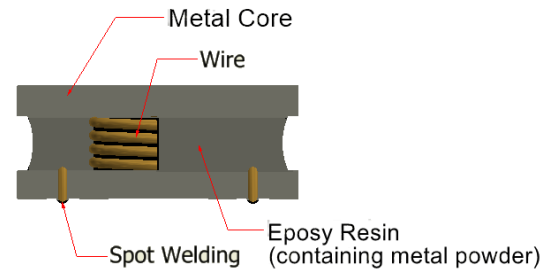
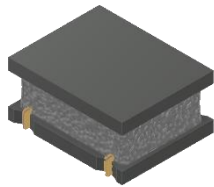


MFNR252012



CONSTRUCTION



FEATURES

metal material core provides large saturation current
Low DC resistance

APPLICATIONS

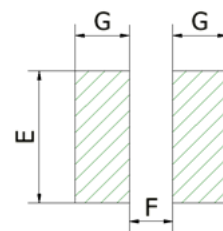
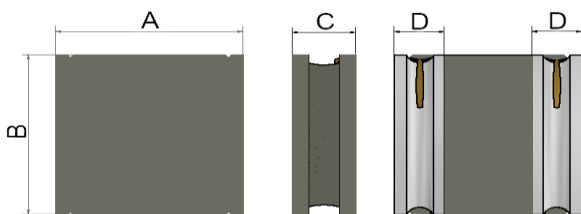
Tablet PC
Smart Phone
Car audio equipment
SSD

SPECIFICATIONS

Operating temperature range	-40 to +125°C
Storage temperature range	Under 25°C
Packaging style	Taping
Quantities	2000 pieces/reel

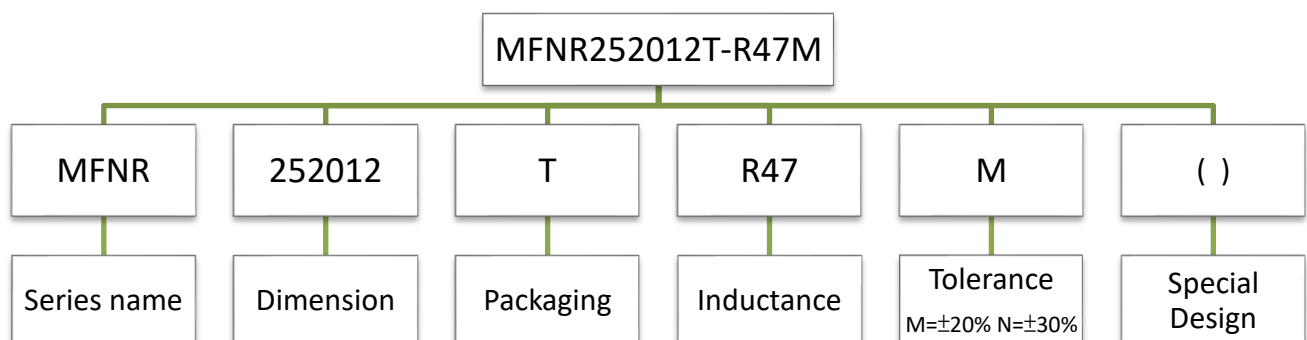
SHAPE AND DIMENSIONS (mm)

RECOMMENDED PATTERN(mm)



TYPE	A	B	C	D	E	F	G
MFNR252012	2.5±0.2	2.0±0.2	1.2max	0.8±0.2	2.4	0.9	0.9

PRODUCT IDENTIFICATION



ELECTRICAL CHARACTERISTICS

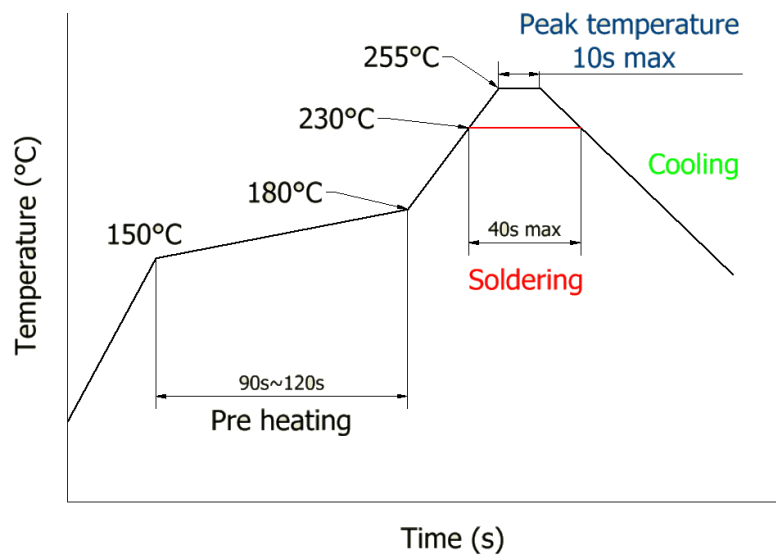
Part No.	Inductance (uH)	Inductance tolerance	Test Frequency (MHz)	DC Resistance (Ω)		Saturation current Isat(mA)		Temperature rise current Irms(mA)	
				Typ.	Max.	Typ.	Max.	Typ.	Max.
MFNR252012T-R47	0.47	±20%,±30%	1	0.027	0.032	8000	7000	3950	3450

*The saturation current typical is the initial L value having inductance decrease down to 30% (at 25°C)

*The temperature rise current typical is temperature will rise by 40°C(at 25°C)

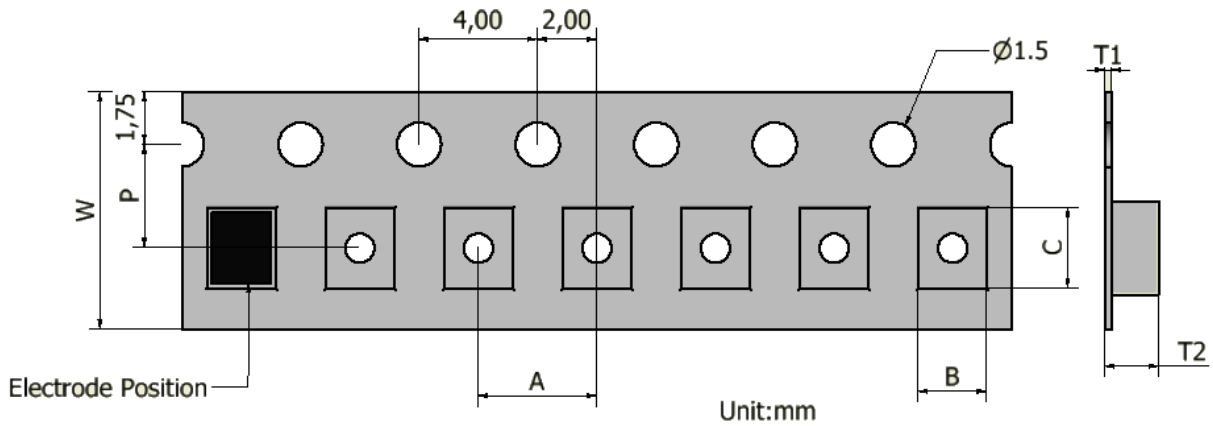
*Rated current: smaller value of either Isat or Irms.

RECOMMENDED SOLDERING CONDITIONS



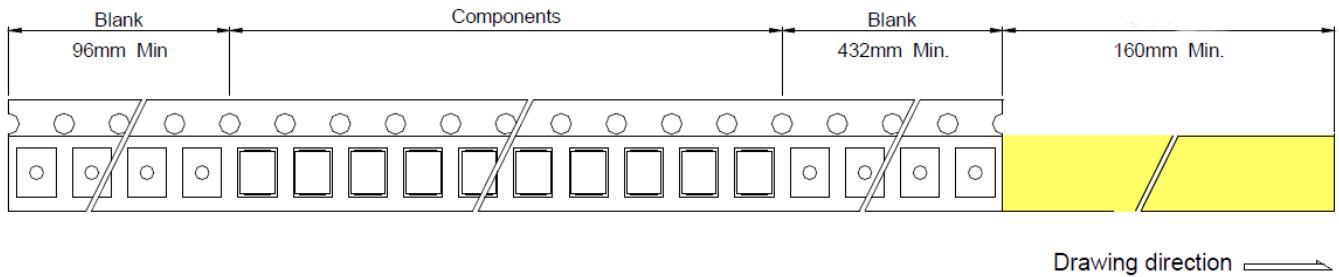
PACKAGE

(1) Taping specifications

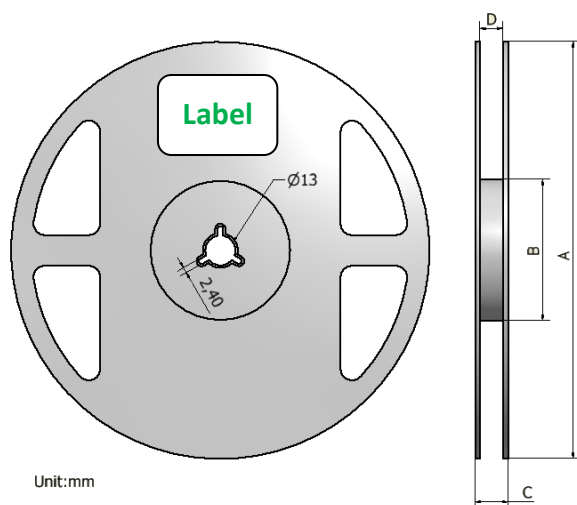


Type	W	P	A	B	C	T1	T2
MFNR252012	8	3.5	4.0	2.3	2.7	0.23	1.4

(2) Terminal part and leader part tape



(3) Reel Specifications



Label

SMD Metal Core Power Inductors
 MFNR252012T-□□□M
 2000 PCS
 Lot No. _____
 FUMIWA TECHNICAL CO., LTD.

Type	A	B	C	D	Q'ty/Reel
MFNR252012	180	60	14.5	10.1	2000