



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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NF Chip EMIFIL[®] for Automotive Part Numbering

LC Combined

(Part Number)

NF	L	18	ZT	107	H	1A	3	L
①	②	③	④	⑤	⑥	⑦	⑧	⑨

① Product ID

Product ID	
NF	Chip EMIFIL [®]

② Structure

Code	Structure
L	Multilayer, LC Combined Type
E	Block, LC Combined Type

③ Dimensions (L×W)

Code	Dimensions (L×W)	EIA
18	1.6×0.8mm	0603
31	3.2×1.6mm	1206
61	6.8×1.6mm	2706

④ Features

Code	Features	
HT	For Automotive	Powertrain, Safety, T Circuit
ZT		Infotainment, T Circuit

⑤ Cut-off Frequency (NFL Series)

Expressed by three figures. The unit is in hertz (Hz). The first and second figures are significant digits, and the third figure expresses the number of zeros that follow the two figures.

⑤ Capacitance (NFE Series)

Expressed by three figures. The unit is in pico-farad (pF). The first and second figures are significant digits, and the third figure expresses the number of zeros that follow the two figures.

⑨ Packaging

Code	Packaging	Series
K	Embossed Taping (ø330mm Reel)	NFE
L	Embossed Taping (ø180mm Reel)	NFE
B	Bulk	NFL18/NFE
D	Paper Taping (ø180mm Reel)	NFL18

⑥ Characteristics (NFL Series)

Code	Characteristics
H	Cut-off Frequency

⑥ Characteristics (NFE Series)

Code	Capacitance Temperature Characteristics
C	±20%, ±22%
D	+20/-30%, +22/-33%
F	+30/-80%, +22/-82%
R	±15%
U	-750 ±120ppm/ °C
Z	Other

⑦ Rated Voltage

Code	Rated Voltage
1A	10V
1E	25V
2A	100V

⑧ Electrode

Code	Electrode	Series
3	Sn Plating	NFL
9	Others	NFE