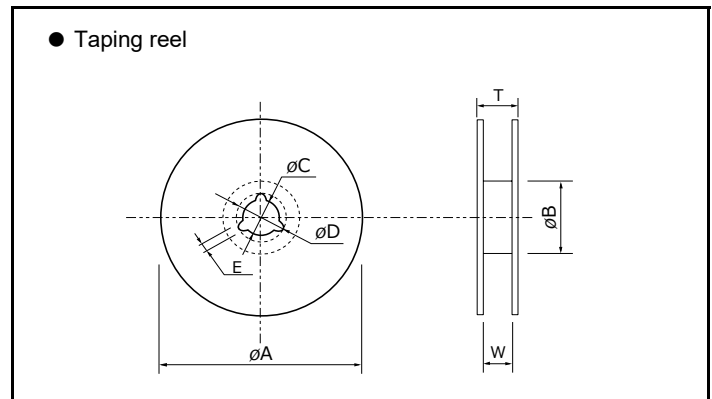
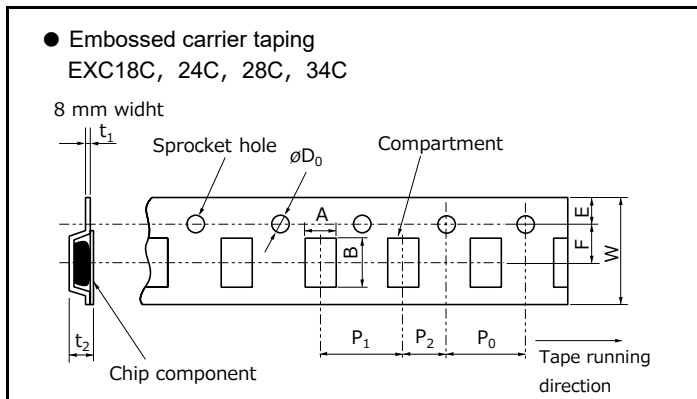
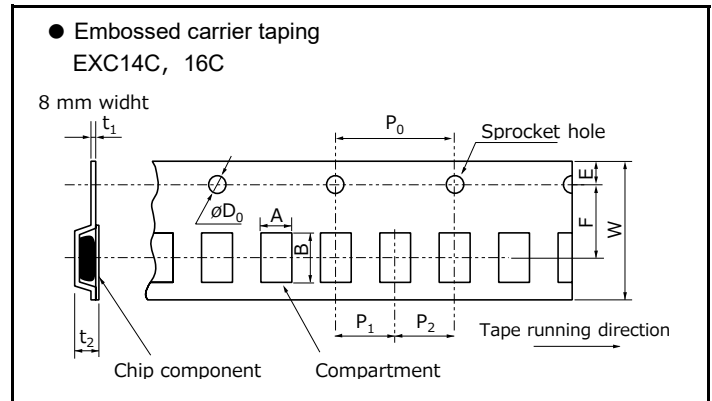
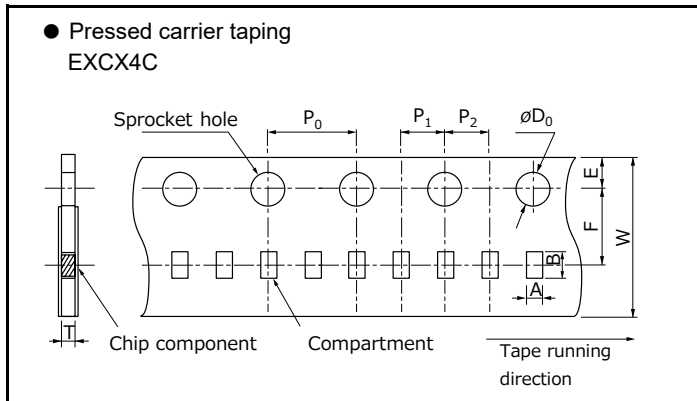


Common Mode Noise Filters · Array / Packaging methods

Packaging methods (Taping)

● Standard quantity

Part number	Size (inch)	Type	Kind of taping	Pitch (P_1) (mm)	Quantity (pcs / reel)
EXCX4C	0202	Single	Pressed carrier taping	2	10,000
EXC14C	0302				
EXC16C	0403		Embossed carrier taping	4	5,000
EXC24C	0504				
EXC34C	0805				
EXC18C	0603	Array			
EXC28C	0804				



Pressed carrier taping

Unit : mm

Part number	A	B	W	F	E	P_1	P_2	P_0	ϕD_0	T
EXCX4C	0.60±0.10	0.80±0.10	8.0±0.2	3.50±0.05	1.75±0.10	2.0±0.1	2.0±0.1	4.0±0.1	1.5 $\begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$	0.35 typ.

Embossed carrier taping

Unit : mm

Part number	A	B	W	F	E	P_1	P_2	P_0	ϕD_0	t_1	t_2
EXC14C	0.75±0.10	0.95±0.10	8.0±0.2	3.50±0.05	1.75±0.10	2.0±0.1	2.0±0.1	4.0±0.1	1.5 $\begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$	0.25±0.05	0.85±0.15
EXC16C	0.77±0.10	0.99±0.10									0.80±0.15
EXC18C	1.00±0.10	1.80±0.10	8.0±0.2	3.5±0.1	1.75±0.10	4.0±0.1	2.0±0.1	4.0±0.1	1.5 $\begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$	0.25±0.05	0.80±0.05
EXC24C	1.20±0.15	1.45±0.15									0.90±0.15
EXC28C		2.25±0.15									
EXC34C	1.50±0.20	2.30±0.20									

Standard reel dimensions

Unit : mm

Part number	ϕA	ϕB	ϕC	ϕD	E	W	T
EXCX4C	180.0±3.0	60.0±1.0	13.0±0.2	21.0±0.8	2.0±0.5	9.0±0.3	11.4±1.0
EXC14C			13.0±0.5				11.4±1.5
EXC16C							
EXC18C							
EXC24C							
EXC28C							
EXC34C							

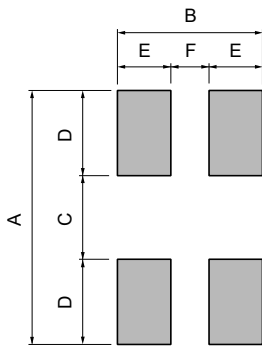
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.

1-Apr-20

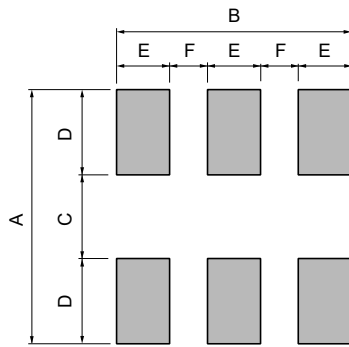
Recommended land pattern design

● Single

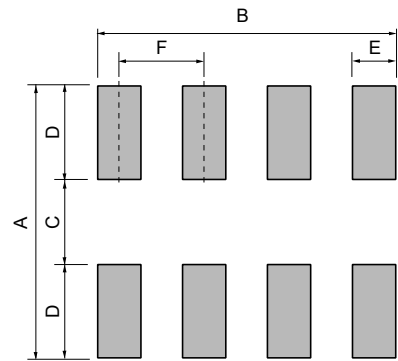
EXCX4C, 14C, 24C, 34C



EXC16C



● Array



Part number	Dimensions					
	A	B	C	D	E	F
EXCX4C	0.80 to 0.90	0.60 to 0.75	0.20 to 0.30	0.30	0.20 to 0.25	0.20 to 0.25
EXC14C	0.80 to 1.00	0.80	0.30	0.25 to 0.35	0.30	0.20
EXC24C	1.60 to 2.00	0.95	0.70	0.45 to 0.65	0.35	0.25
EXC34C	2.60	1.20	1.10	0.75	0.40	0.40
EXC16C	0.99	0.85	0.33	0.33	0.15	0.20

Part number	Dimensions					
	A	B	C	D	E	F
EXC18C	1.4	1.4	0.4	0.5	0.2	0.4
EXC28C	1.4	1.75	0.4	0.5	0.25	0.5

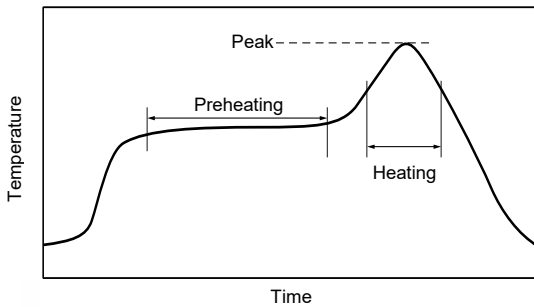
Unit : mm

Recommended soldering conditions

Recommendations and precautions are described below

● Recommended soldering conditions for reflow

- Reflow soldering shall be performed a maximum of two times.
- Please contact us for additional information when used in conditions other than those specified.
- Please measure the temperature of the terminals and study every kind of solder and printed circuit board for solderability before actual use.



For soldering (Example : Sn-37Pb)

	Temperature	Time
Preheating	140 °C to 160 °C	60 s to 120 s
Main heating	Above 200 °C	30 s to 40 s
Peak	235 ± 10 °C	max. 10 s

For lead-free soldering (Example :Sn-3Ag-0.5Cu)

	Temperature	Time
Preheating	150 °C to 170 °C	60 s to 120 s
Main heating	Above 230 °C	30 s to 40 s
Peak	max. 260 °C	max. 10 s

● Flow soldering

- We do not recommend flow soldering, because flow soldering may cause bridges between the electrodes.

《Repair with hand soldering》

- Preheat with a blast of hot air or similar method. Use a soldering iron with a tip temperature of 350 °C or less. Solder each electrode for 3 seconds or less.
- Never touch this product with the tip of a soldering iron.