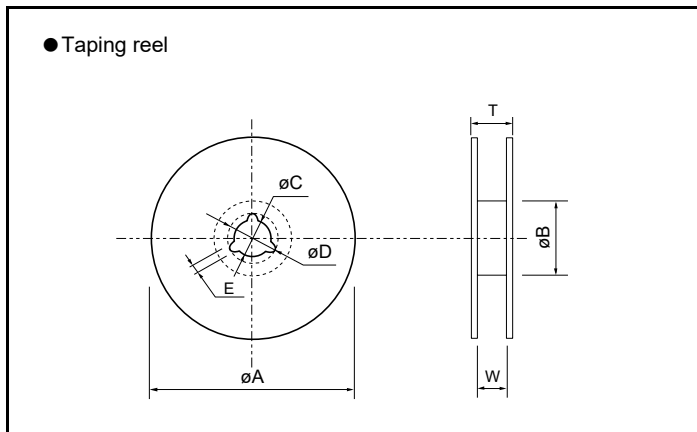
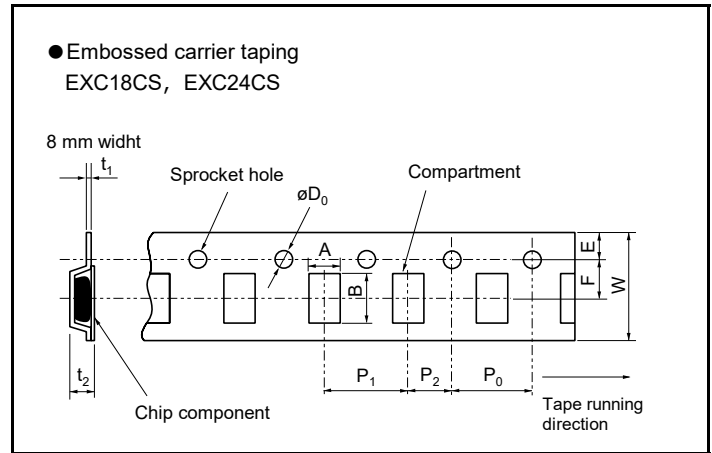
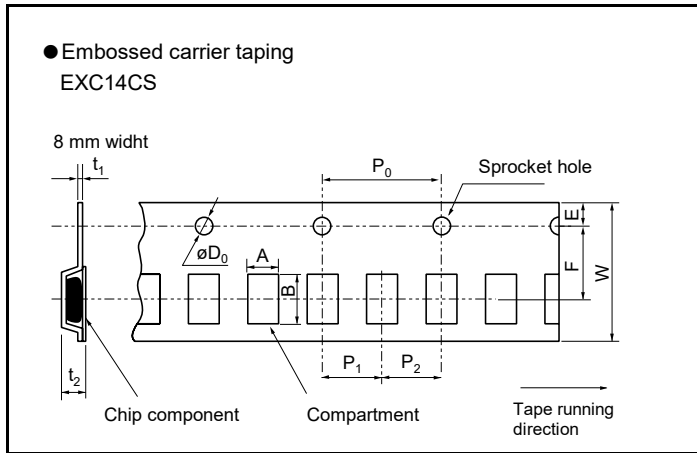


Common mode Noise Filters with ESD Suppressor / Packaging methods

Packaging methods (Taping)

● Standard quantity

Part number	Size (inch)	Type	Kind of taping	Pitch (P_1) (mm)	Quantity (pcs / reel)
EXC14CS	0302	Single	Embossed Carrier Taping	2	10000
EXC24CS	0504			4	5000
EXC18CS	0603	Array			



Embossed carrier taping

Unit : mm

Part number	A	B	W	F	E	P_1	P_2	P_0	ϕD_0	t_1	t_2
EXC14CS	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
EXC18CS	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	0.50 ± 0.05
EXC24CS	1.20 ± 0.15	1.45 ± 0.15									0.90 ± 0.15

Standard reel dimensions

Unit : mm

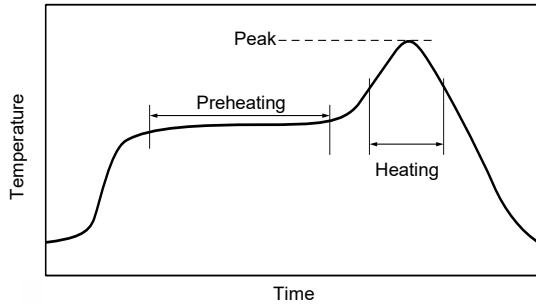
Part number	øA	øB	øC	øD	E	W	T
EXC14CS	180.0 ± 3.0	60.0 ± 1.0	13.0 ± 0.5	21.0 ± 0.8	2.0 ± 0.5	9.0 ± 0.3	11.4 ± 1.5
EXC18CS							
EXC24CS							

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.