

A FEATURES

- Small dimensions
- Prevention of common mode noise at high frequency
- Operating Temperature range from -40°C to +125°C (Including Self-heating)
- Excellent solderability



B PART NUMBER SYSTEM

2CE 4532 F - 900 F
 ① ② ③ ④ ⑤

①	Series	②	Dimension Code (L*W*H) (mm)
2CE	Series Code		3225 (3.2×2.5×2.2) 4532 (4.5×3.2×2.8)
④	Z Code	③	Design Code
e.g.	Calculation		
900	$90 \times 10^0 \Omega = 90 \Omega$	⑤	RoHS Compliant
121	$12 \times 10^1 \Omega = 120 \Omega$		

C DRAWINGS AND DIMENSIONS

Drawings	Schematic
<p>Land Pattern</p>	

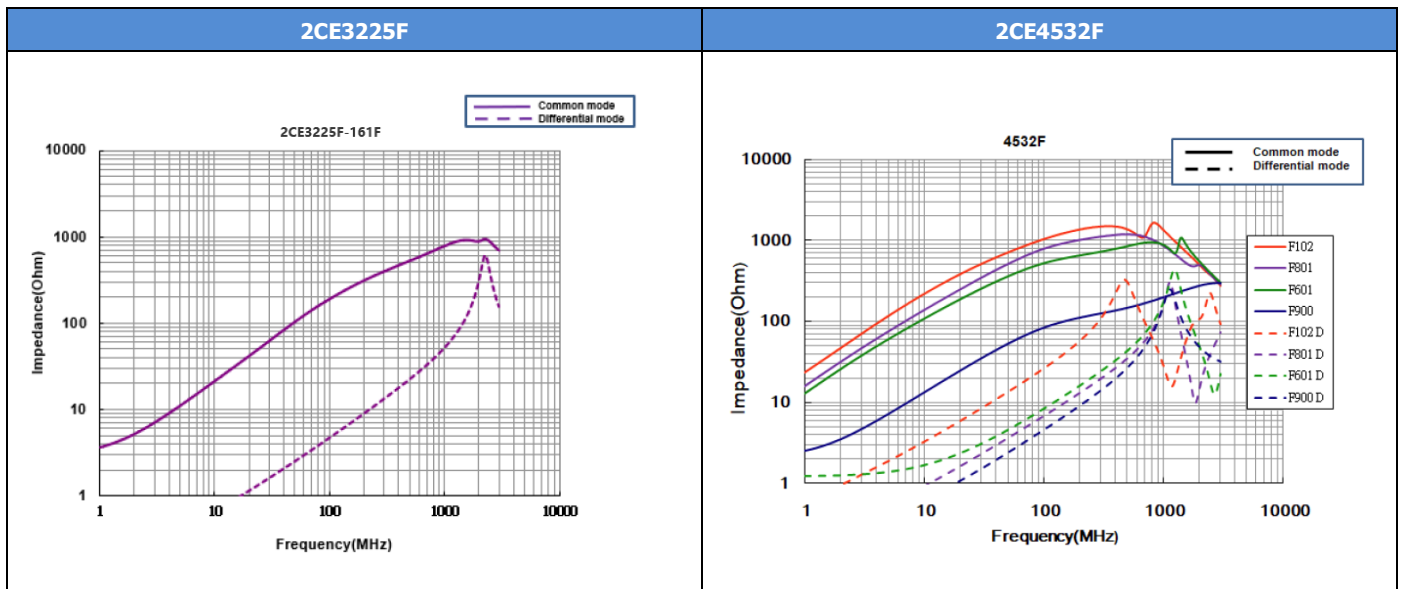
Case Size	Dimensions (mm)								
	A	B	C	D _{ref.}	E _{ref.}	H _{ref.}	I _{ref.}	J _{ref.}	L _{ref.}
2CE3225F	3.2±0.2	2.5±0.2	2.2±0.2	0.65	0.80	0.90	0.80	0.90	4.00
2CE4532F	4.5±0.2	3.2±0.2	2.8±0.2	1.00	1.23	1.00	1.10	1.20	5.10

D SPECIFICATIONS

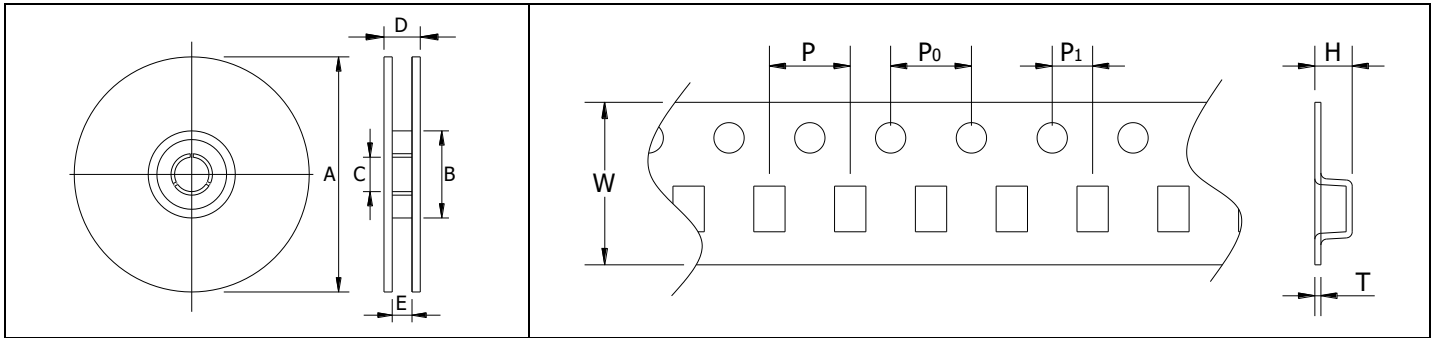
Part Number	Z		DCR	Ir	U _{DC}	Insulation
	(Ω)	Tolerance	Max.(Ω)	(mA)	V	Min.(MΩ)
2CE3225F-161F	160	± 25 %	0.150	480	50	10
2CE4532F-900F	90	± 25 %	0.050	1500	50	10
2CE4532F-601F	600	± 25 %	0.100	1500	50	10
2CE4532F-801F	800	± 25 %	0.100	1500	50	10
2CE4532F-102F	1000	± 25 %	0.090	1500	50	10

1. DCR measured @ 25°C.
2. Ir: DC current for an approximate 40°C rise from 20°C ambient temperature.
3. Specifications subject to change without notice please check our website for latest information.

E TYPICAL IMPEDANCE CURVES

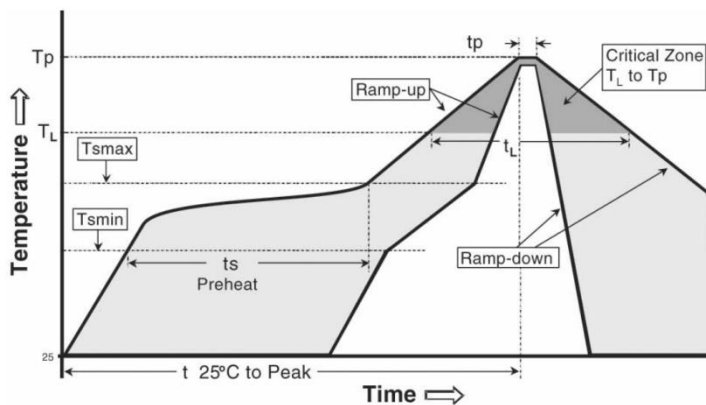


F TAPE AND REEL SPECIFICATIONS



Case Size	Parts per Reel	Reel Dimensions(REF)					Tape Dimensions(REF)					
		A	B	C	D	E	W	P	P ₀	P ₁	H	T
2CE3225F	1000	178	58	13	13	9.0	8	4	4	2	2.5	0.25
2CE4532F	500	178	58	13	13	9.0	8	4	4	2	3.0	0.25

G RECOMMENDED SOLDER REFLOW PROFILE



Profile Feature	Recommended Conditions
Average ramp-up rate (T _{smax} to T _p)	3°C/second max.
Preheat	
Temperature Min (T _{smin})	100°C
Temperature Max (T _{smax})	150°C
Time (T _{smin} to T _{smax})(t _s)	60-180 seconds
Time maintained above:	
Temperature (T _L)	217°C
Time (t _L)	60-150 seconds
Peak Temperature (T _p)	See Table2
Time within 5°C of actual Peak Temperature (t _p) ²	20-40 seconds
Ramp-down Rate	6°C/second max.
Time 25°C to Peak Temperature	8 minutes max

Table 1

Package Thickness	Volume mm ³ <350	Volume mm ³ 350 - 2000	Volume mm ³ >2000
< 1.6mm	260°C	260°C	260°C
1.6mm - 2.5mm	260°C	250°C	245°C
>2.5mm	250°C	245°C	245°C

Table 2

1. The above profiles are based on IPC/JEDEC J-STD-020C.
2. Exceeding these conditions may cause lowered product reliability.