

**A FEATURES**

- Small dimensions
- Higher rated current
- 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   
 3225   
 P   
 -   
 242   
 F

1   
 2   
 3   
 4   
 5

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

**C DRAWINGS AND DIMENSIONS**

Drawings	Schematic
<p style="text-align: center;">Land Pattern</p>	

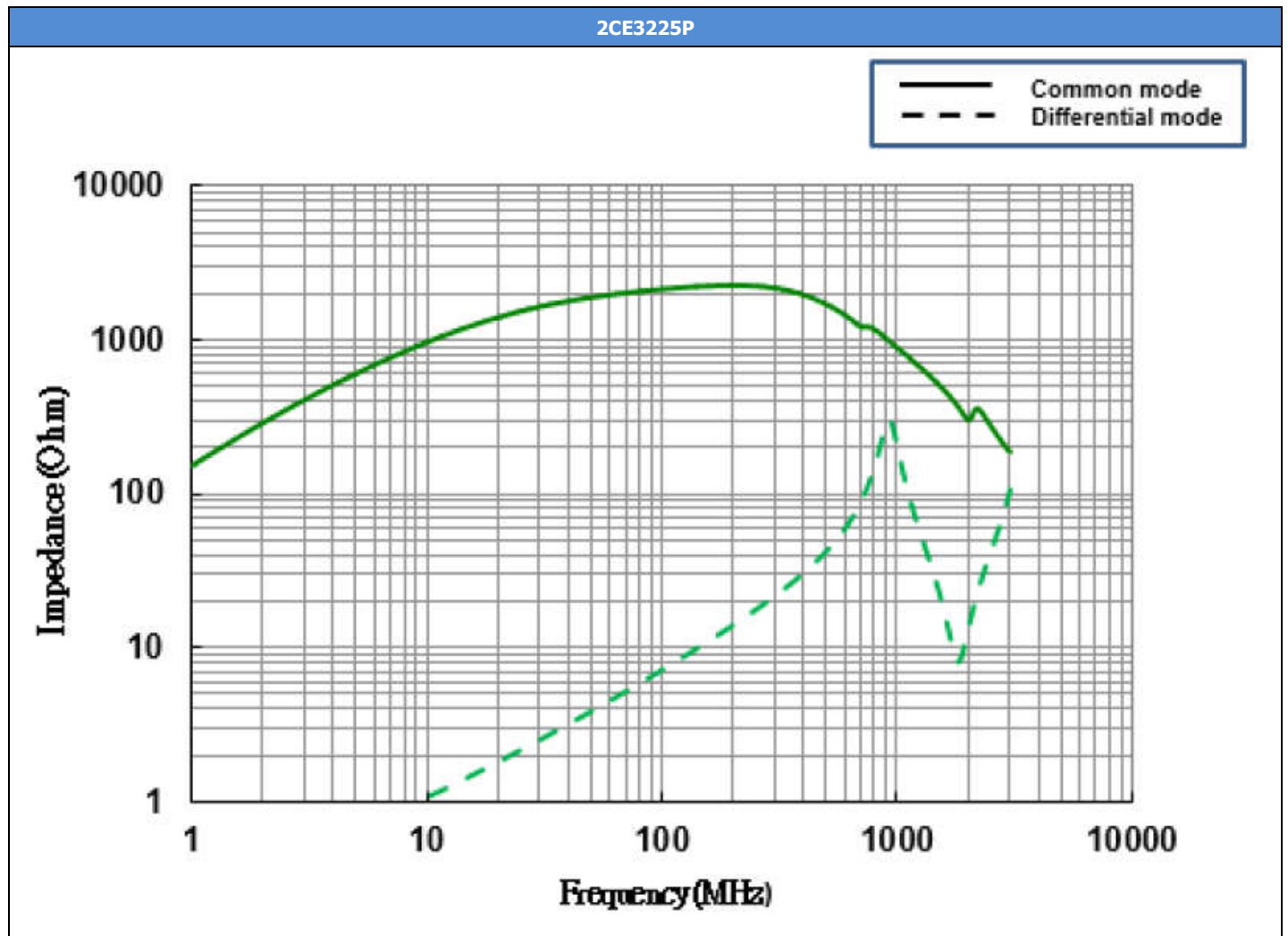
Case Size	Dimensions (mm)								
	A	B	C	D <sub>ref.</sub>	E <sub>ref.</sub>	H <sub>ref.</sub>	I <sub>ref.</sub>	J <sub>ref.</sub>	L <sub>ref.</sub>
2CE3225P	3.2±0.2	2.5±0.2	2.2±0.2	0.65	0.80	0.90	0.80	0.90	4.00

**D SPECIFICATIONS**

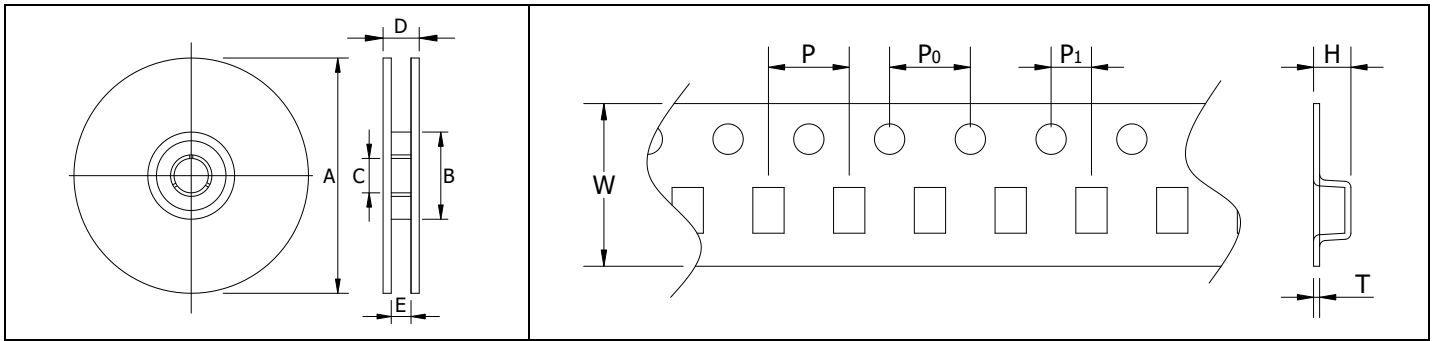
	Z	DCR	Ir	U <sub>DC</sub>	Insulation	
Part Number	(Ω)	Tolerance	Max.(Ω)	(mA)	V	Min.(MΩ)
2CE3225P-242F	2400	± 25 %	0.300	640	50	10

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**

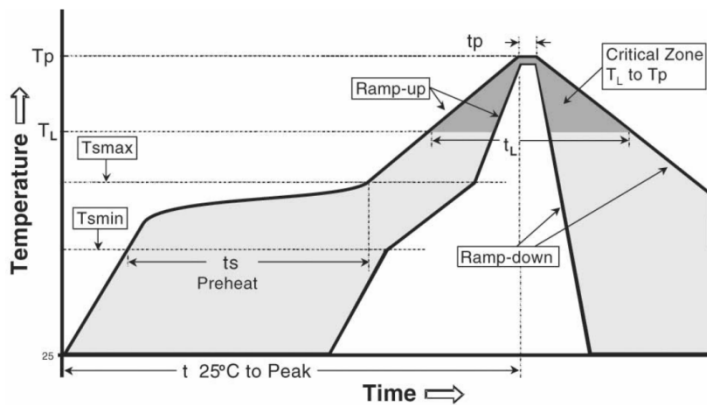


**F TAPE AND REEL SPECIFICATIONS**



Case Size	Parts per Reel	Reel Dimensions(REF)					Tape Dimensions(REF)					
		A	B	C	D	E	W	P	P <sub>0</sub>	P <sub>1</sub>	H	T
2CE3225P	1000	178	58	13	13	9.0	8	4	4	2	2.5	0.25

**G RECOMMENDED SOLDER REFLOW PROFILE**



Profile Feature	Recommended Conditions
Average ramp-up rate (T <sub>smax</sub> to T <sub>p</sub> )	3°C/second max.
Preheat	
Temperature Min (T <sub>ssmin</sub> )	100°C
Temperature Max (T <sub>smax</sub> )	150°C
Time (T <sub>ssmin</sub> to T <sub>smax</sub> )(t <sub>s</sub> )	60-180 seconds
Time maintained above:	
Temperature (T <sub>l</sub> )	217°C
Time (t <sub>l</sub> )	60-150 seconds
Peak Temperature (T <sub>p</sub> )	See Table2
Time within 5°C of actual Peak Temperature (t <sub>p</sub> ) <sup>2</sup>	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 <sup>3</sup> <350	Volume mm <sup>3</sup> 350 - 2000	Volume mm <sup>3</sup> >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.