

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

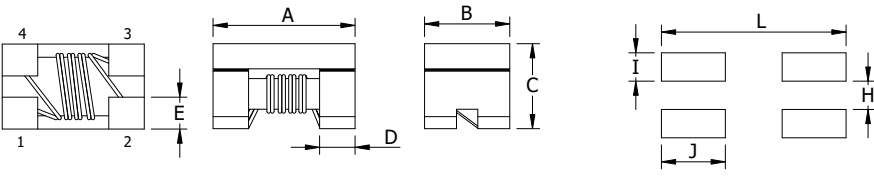
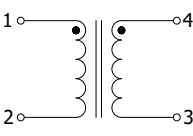


B PART NUMBER SYSTEM

<u>2CE</u>	<u>4532</u>	<u>AC</u>	-	<u>900</u>	<u>F</u>
①	②	③		④	⑤

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

C DRAWINGS AND DIMENSIONS

Drawings	Schematic
	

Case Size	Dimensions (mm)								
	A	B	C	D _{ref.}	E _{ref.}	H _{ref.}	I _{ref.}	J _{ref.}	L _{ref.}
2CE4532AC	4.5±0.2	3.2±0.2	2.8±0.2	1.0	1.23	0.75	1.32	1.35	5.1

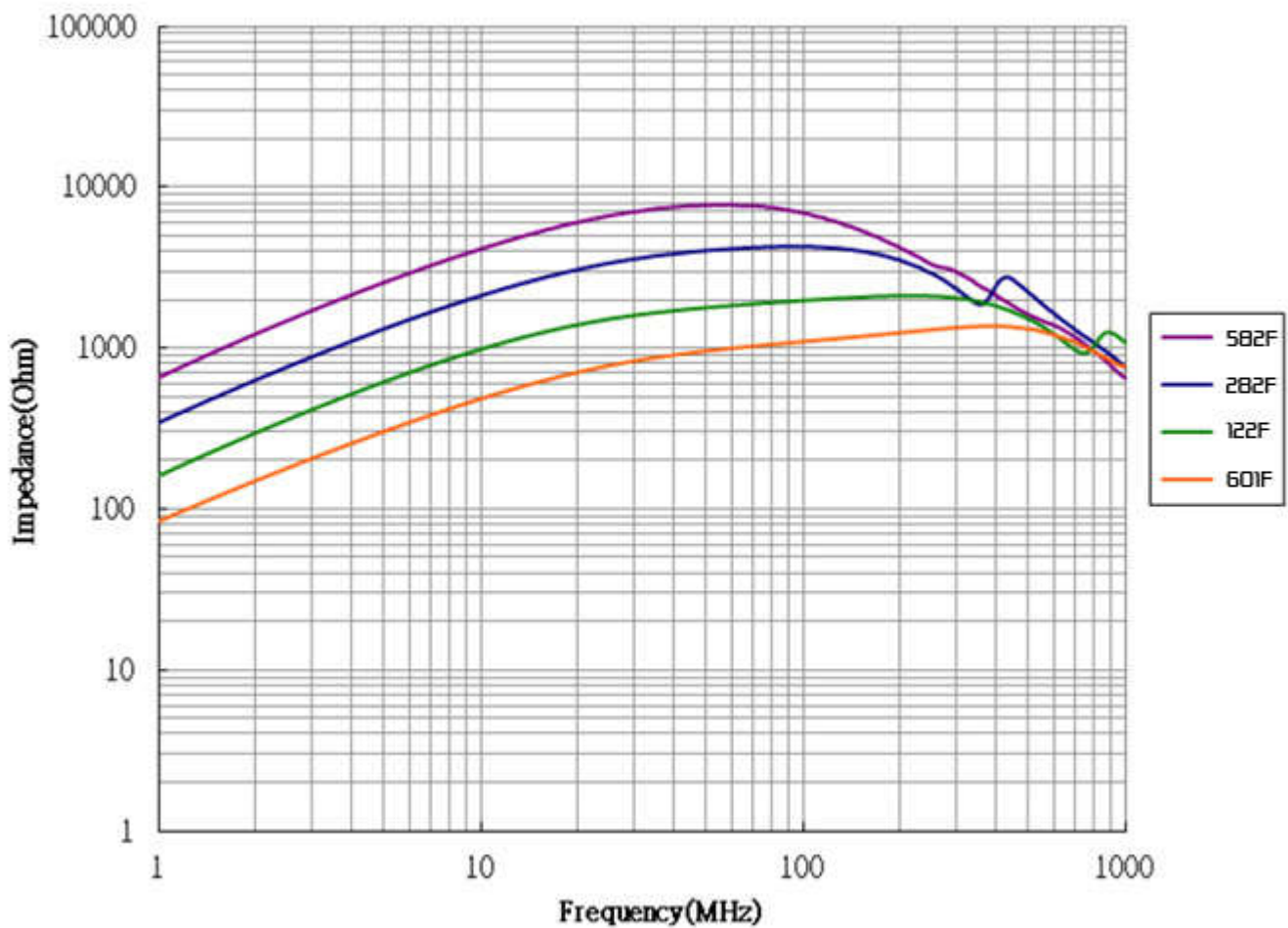
D SPECIFICATIONS

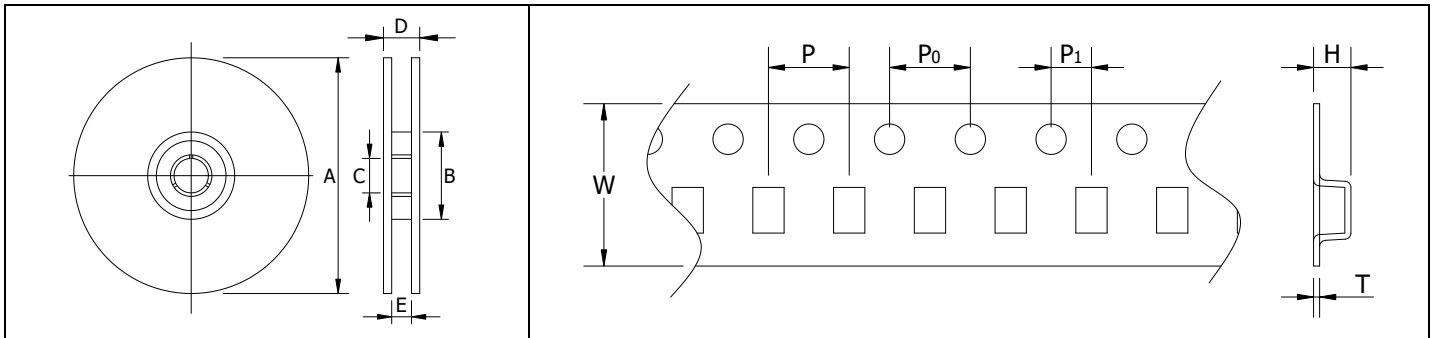
	L@100KHz	Z@10MHz		DCR	Ir	U _{DC}	Insulation
Part Number	μH	Min.(Ω)	Typ.(Ω)	Max.(Ω)	(mA)	V	Min.(MΩ)
2CE4532AC-601F	11	300	600	0.6	250	50	10
2CE4532AC-122F	22	500	1200	1.0	200	50	10
2CE4532AC-282F	51	1000	2800	1.0	200	50	10
2CE4532AC-582F	100	2000	5800	2.0	150	50	10

1. DCR measured @ 25°C.
2. L measured @ 100KHz, 0.1Vdc.
3. Ir: DC current for an approximate 40°C rise from 20°C ambient temperature.
4. Specifications subject to change without notice please check our website for latest information.

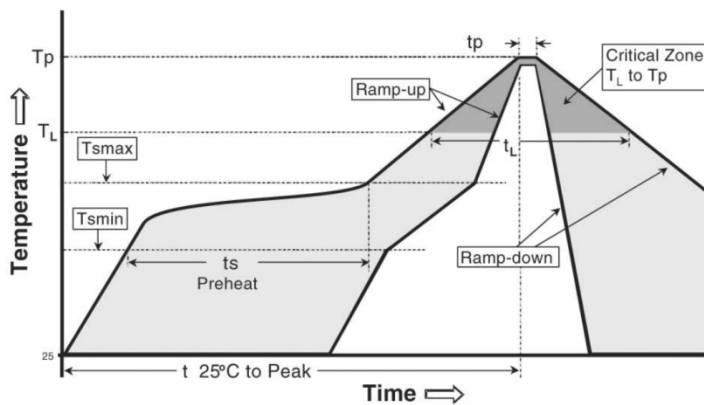
E TYPICAL IMPEDANCE CURVES

2CE4532AC



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
2CE4532AC	500	178	58	13	13	9.0	8	4	4	2	3	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 _{sm})	100°C
Temperature Max (T _{sm})	150°C
Time (T _{sm} to T _{sm})(ts)	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 (tp) 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.