

## CONDENSATORI CERAMICI

Sul corpo dei condensatori ceramici le capacità possono essere espresse in *picofarad*, *nanofarad* o *microfarad*. In realtà la capacità di un condensatore può essere espressa in diversi modi, esistono quindi diversi tipi di sigle per esprimere la stessa capacità.

Le industrie asiatiche indicano la capacità su un condensatore sempre in *picofarad* e con due sole cifre; se la capacità supera i 100 *picofarad* introducono una terza cifra che indica il fattore moltiplicativo di una potenza in base 10.

Per esempio:

- la sigla **0.5** corrisponde a 0,5 *picofarad*
- la sigla **1** corrisponde a 1 *picofarad*
- la sigla **1.8** corrisponde a 1,8 *picofarad*
- la sigla **22** corrisponde a 22 *picofarad*
- la sigla **101** corrisponde a 100 *picofarad*, cioè  $10 \cdot 10^1$  *picofarad*
- la sigla **104** corrisponde a 100.000 *picofarad*, cioè  $10 \cdot 10^4$  *picofarad*

Nelle convenzioni delle industrie europee, la lettera indica la grandezza dell'unità di misura e sostituisce il punto.

Per esempio:

- la sigla **p5** corrisponde a 0,5 *picofarad*
- la sigla **1p0** corrisponde a 1,0 *picofarad*
- la sigla **1p8** corrisponde a 1,8 *picofarad*
- la sigla **22** corrisponde a 22 *picofarad*
- la sigla **n10** corrisponde a 100 *picofarad*, cioè 0,10 *nanofarad*
- la sigla **100n** corrisponde a 100.000 *picofarad*, cioè 100 *nanofarad*

Le industrie USA indicano la capacità su un condensatore sempre in *microfarad*.

Per esempio:

- la sigla **.0015** corrisponde a 1.500 *picofarad*, cioè 0,0015 *microfarad*
- la sigla **.01** corrisponde a 10.000 *picofarad*, cioè 0,01 *microfarad*
- la sigla **.1** corrisponde a 100.000 *picofarad*, cioè 0,1 *microfarad*
- la sigla **.22** corrisponde a 220.000 *picofarad*, cioè 0,22 *microfarad*
- la sigla **.82** corrisponde a 820.000 *picofarad*, cioè 0,82 *microfarad*
- la sigla **1** corrisponde a 1.000.000 *picofarad*, cioè 1 *microfarad*

Nelle convenzioni delle industrie tedesche, la lettera “**u**” indica la grandezza dell'unità di misura in *microfarad* e sostituisce il punto.

Per esempio:

- la sigla **u01** corrisponde a 10.000 *picofarad*, cioè 0,01 *microfarad*
- la sigla **u1** corrisponde a 100.000 *picofarad*, cioè 0,1 *microfarad*
- la sigla **u22** corrisponde a 220.000 *picofarad*, cioè 0,22 *microfarad*
- la sigla **u82** corrisponde a 820.000 *picofarad*, cioè 0,82 *microfarad*
- la sigla **u1** corrisponde a 1.000.000 *picofarad*, cioè 1 *microfarad*

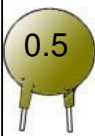
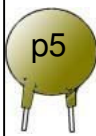
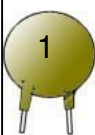
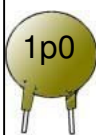
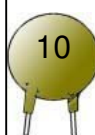
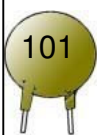
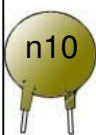
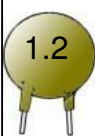
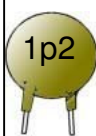
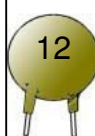
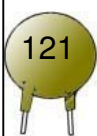
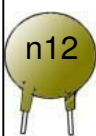
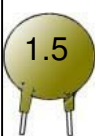
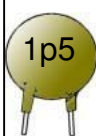
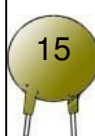
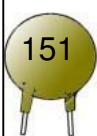
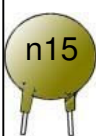
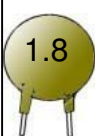
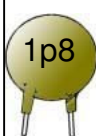
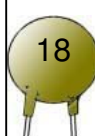
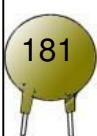
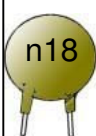
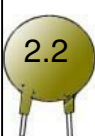

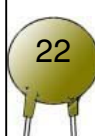
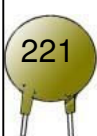
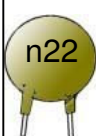





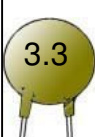
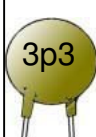
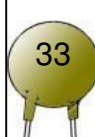
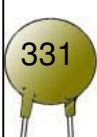
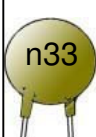
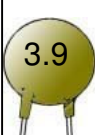
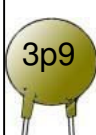
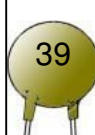
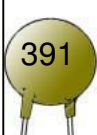
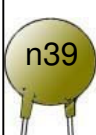
Per decifrare i numeri stampigliati sui loro corpi, abbiamo riportato a fianco il rispettivo valore espresso in *picofarad*.

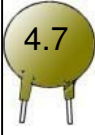
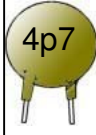

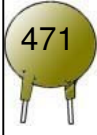
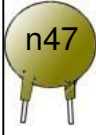
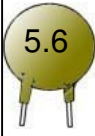
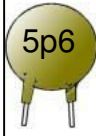

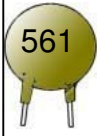
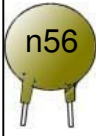
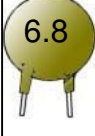
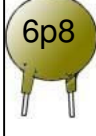
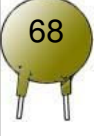
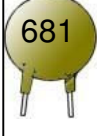
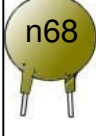

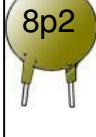

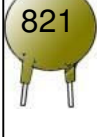
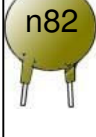
Le sigle della colonna **A** sono usate dalle industrie Asiatiche.

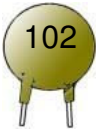
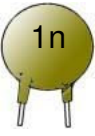


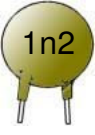




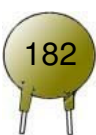














Le sigle della colonna **B** sono usate dalle industrie Europee.




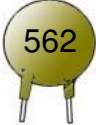


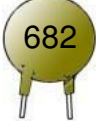
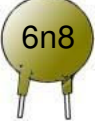


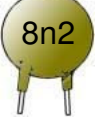

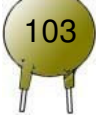
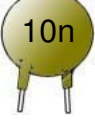
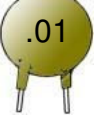









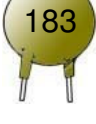



Le sigle della colonna **C** sono usate dalle industrie USA.

































Le sigle della colonna **D** sono usate dalle industrie Tedesche.

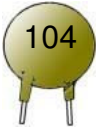













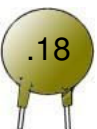

















	<b>A</b>	<b>B</b>		<b>A – B</b>		<b>A</b>	<b>B</b>
0,5 pF ⇨							
1 pF ⇨			10 pF ⇨		100 pF ⇨		
1,2 pF ⇨			12 pF ⇨		120 pF ⇨		
1,5 pF ⇨			15 pF ⇨		150 pF ⇨		
1,8 pF ⇨			18 pF ⇨		180 pF ⇨		
2,2 pF ⇨			22 pF ⇨		220 pF ⇨		
2,7 pF ⇨			27 pF ⇨		270 pF ⇨		
3,3 pF ⇨			33 pF ⇨		330 pF ⇨		
3,9 pF ⇨			39 pF ⇨		390 pF ⇨		










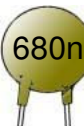
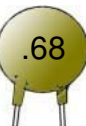





	<b>A</b>	<b>B</b>		<b>A – B</b>		<b>A</b>	<b>B</b>
4,7 pF ⇨			47 pF ⇨		470 pF ⇨		
5,6 pF ⇨			56 pF ⇨		560 pF ⇨		
6,8 pF ⇨			68 pF ⇨		680 pF ⇨		
8,2 pF ⇨			82 pF ⇨		820 pF ⇨		

	<b>A</b>	<b>B</b>	<b>C</b>
1.000 pF ⇨			
1.200 pF ⇨			
1.500 pF ⇨			
1.800 pF ⇨			
2.200 pF ⇨			
2.700 pF ⇨			
3.300 pF ⇨			
3.900 pF ⇨			

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
4.700 pF ⇔				
5.600 pF ⇔				
6.800 pF ⇔				
8.200 pF ⇔				
10.000 pF ⇔				
12.000 pF ⇔				
15.000 pF ⇔				
18.000 pF ⇔				

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
22.000 pF ⇨				
27.000 pF ⇨				
33.000 pF ⇨				
39.000 pF ⇨				
47.000 pF ⇨				
56.000 pF ⇨				
68.000 pF ⇨				
82.000 pF ⇨				

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
100.000 pF ⇨				
120.000 pF ⇨				
150.000 pF ⇨				
180.000 pF ⇨				
220.000 pF ⇨				
270.000 pF ⇨				
330.000 pF ⇨				
390.000 pF ⇨				

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
470.000 pF ⇨				
560.000 pF ⇨				
680.000 pF ⇨				
820.000 pF ⇨				
1 μF ⇨	