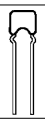
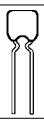
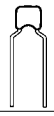
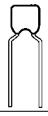
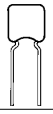
Radial-Leaded Capacitors

X7R

	X7R									
Lead spacing	2,5 mm				5,0 mm					
										
Type	B37981-M		B37987-M		B37981-F		B37987-F		B37984-M	
V_R (Vdc)	50	100	50	100	50	100	50	100	50	
470 pF										
680 pF										
1,0 nF										
1,5 nF										
2,2 nF										
3,3 nF										
4,7 nF										
6,8 nF										
10 nF										
15 nF										
22 nF										
33 nF										
47 nF										
68 nF										
100 nF										
150 nF										
220 nF										
330 nF										
470 nF										
680 nF										
1,0 µF										

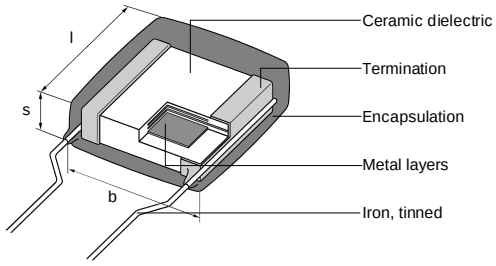
Available capacitance values

Electrical characteristics in brief

Temperature characteristic	X7R
Dielectric	Class 2
IEC climatic category (IEC 68-1)	55 / 125 / 56
Temperature range	– 55 ... + 125 °C
Max. rel. capacitance change $\Delta C/C$ at V_{meas}	± 15 %
Test voltage	2,5 · V_R / 5 s
Dissipation factor (max. value)	< 25 · 10^{-3}
Insulation resistance [1)]	
at 25 °C	> 10^5 MΩ
125 °C	> 10^4 MΩ
Time constant τ [1)]	
at 25 °C	> 1000 s
125 °C	> 100 s

1) Whichever is less

X7R



Lead spacing	Dim. (mm)	V_R (Vdc)	C_R [1]	Ordering code [2]
2,5 mm	l = 5,5 b = 5,0 s = 2,5	50 V	3,3 nF	B37981-M5332-*M*54
			4,7 nF	B37981-M5472-*M*54
			6,8 nF	B37981-M5682-*M*54
			10 nF	B37981-M5103-*M*54
			15 nF	B37981-M5153-*M*54
			22 nF	B37981-M5223-*M*54
			33 nF	B37981-M5333-*M*54
			47 nF	B37981-M5473-*M*54
		100 V	470 pF	B37981-M1471-*M*54
			680 pF	B37981-M1681-*M*54
			1,0 nF	B37981-M1102-*M*54
			1,5 nF	B37981-M1152-*M*54
			2,2 nF	B37981-M1222-*M*54
			3,3 nF	B37981-M1332-*M*54
			4,7 nF	B37981-M1472-*M*54
			6,8 nF	B37981-M1682-*M*54
			10 nF	B37981-M1103-*M*54
			15 nF	B37981-M1153-*M*54
	l = 6,5 b = 5,0 s = 2,5	50 V	47 nF	B37987-M5473-*M*54
			68 nF	B37987-M5683-*M*54
			100 nF	B37987-M5104-*M*54
			150 nF	B37987-M5154-*M*54
			220 nF	B37987-M5224-*M*54
		100 V	15 nF	B37987-M1153-*M*54
			22 nF	B37987-M1223-*M*54
			33 nF	B37987-M1333-*M*54
			47 nF	B37987-M1473-*M*54
			68 nF	B37987-M1683-*M*54
			100 nF	B37987-M1104-*M*54
			150 nF	B37987-M1154-*M*54
5,0 mm	l = 5,5 b = 5,0 s = 2,5	50 V	3,3 nF	B37981-F5332-*M*54
			4,7 nF	B37981-F5472-*M*54
			6,8 nF	B37981-F5682-*M*54
			10 nF	B37981-F5103-*M*54
			15 nF	B37981-F5153-*M*54
			22 nF	B37981-F5223-*M*54
			33 nF	B37981-F5333-*M*54
			47 nF	B37981-F5473-*M*54
		100 V	470 pF	B37981-F1471-*M*54
			680 pF	B37981-F1681-*M*54
			1,0 nF	B37981-F1102-*M*54
			1,5 nF	B37981-F1152-*M*54
			2,2 nF	B37981-F1222-*M*54
			3,3 nF	B37981-F1332-*M*54
			4,7 nF	B37981-F1472-*M*54
			6,8 nF	B37981-F1682-*M*54
			10 nF	B37981-F1103-*M*54
			15 nF	B37981-F1153-*M*54

Lead spacing	Dim. (mm)	V_R (Vdc)	C_R [1]	Ordering code [2]
5,0 mm	l = 6,5 b = 5,0 s = 2,5	50 V	47 nF	B37987-F5473-*M*54
			68 nF	B37987-F5683-*M*54
			100 nF	B37987-F5104-*M*54
			150 nF	B37987-F5154-*M*54
			220 nF	B37987-F5224-*M*54
		100 V	15 nF	B37987-F1153-*M*54
			22 nF	B37987-F1223-*M*54
			33 nF	B37987-F1333-*M*54
			47 nF	B37987-F1473-*M*54
			68 nF	B37987-F1683-*M*54
			100 nF	B37987-F1104-*M*54
			150 nF	B37987-F1154-*M*54
	l = 9,0 b = 7,5 s = 2,5	50 V	220 nF	B37984-M5224-*M*54
			330 nF	B37984-M5334-*M*54
			470 nF	B37984-M5474-*M*54
			680 nF	B37984-M5684-*M*54
			1,0 µF	B37984-M5105-*M*54

1) E12 series available on request
2) Available capacitance tolerance: *M*= ± 20 %; *K*= ± 10 %
For reel packaging replace the -54 by -51