

Automotive Grade MLCC capacitor

sS/N	Descriptions	Specifications	Vendor compliance
1 SMD 0805 10pF MLCC capacitor			
1.	SMD size	0805	
2.	Voltage rating	100V	
3.	Capacitor value	10pF	
4.	Tolerance	5%	
5.	TC material	NPO	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0805JRNPO0BN100	
2 SMD 0805 47pF MLCC capacitor			
1.	SMD size	0805	
2.	Voltage rating	50V or higher	
3.	Capacitor value	47pF	
4.	Tolerance	5%	
5.	TC material	NPO	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0805JRNPO9BN470 or AC0805JRNPO0BN470	
3 SMD 0805 100pF MLCC capacitor			
1.	SMD size	0805	
2.	Voltage rating	50V or higher	
3.	Capacitor value	100pF	
4.	Tolerance	5%	
5.	TC material	NPO	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0805JRNPO9BN101 or AC0805JRNPO0BN101	
4 SMD 0805 220pF MLCC capacitor			
1.	SMD size	0805	
2.	Voltage rating	50V or higher	
3.	Capacitor value	220pF	
4.	Tolerance	5%	
5.	TC material	NPO	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0805JRNPO9BN221 or AC0805JRNPO0BN221	
5 SMD 0805 270pF MLCC capacitor			
1.	SMD size	0805	
2.	Voltage rating	50V or higher	
3.	Capacitor value	270pF	
4.	Tolerance	5%	
5.	TC material	NPO	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0805JRNPO9BN271 or AC0805JRNPO0BN271	
6 SMD 0805 330pF MLCC capacitor			
1.	SMD size	0805	
2.	Voltage rating	50V or higher	
3.	Capacitor value	330pF	
4.	Tolerance	5%	
5.	TC material	NPO	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0805JRNPO9BN331 or AC0805JRNPO0BN331	

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7 SMD 0805 1nF MLCC capacitor			
1.	SMD size	0805	
2.	Voltage rating	50V or higher	
3.	Capacitor value	1nF	
4.	Tolerance	5%	
5.	TC material	NPO	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0805JRNPO9BN102 or AC0805JRNPO0BN102	
8 SMD 0805 2.2nF MLCC capacitor			
1.	SMD size	0805	
2.	Voltage rating	50V or higher	
3.	Capacitor value	2.2nF	
4.	Tolerance	10%	
5.	TC material	X7R	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0805KRX7R9BB222 or AC0805KRX7R0BB222	
9 SMD 0805 3.3nF MLCC capacitor			
1.	SMD size	0805	
2.	Voltage rating	50V or higher	
3.	Capacitor value	3.3nF	
4.	Tolerance	10%	
5.	TC material	X7R	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0805KRX7R9BB332 or AC0805KRX7R0BB332	
10 SMD 0805 4.7nF MLCC capacitor			
1.	SMD size	0805	
2.	Voltage rating	50V or higher	
3.	Capacitor value	4.7nF	
4.	Tolerance	10%	
5.	TC material	X7R	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0805KRX7R9BB472 or AC0805KRX7R0BB472	
11 SMD 0805 6.8nF MLCC capacitor			
1.	SMD size	0805	
2.	Voltage rating	50V or higher	
3.	Capacitor value	6.8nF	
4.	Tolerance	10%	
5.	TC material	X7R	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0805KRX7R9BB682 or AC0805KRX7R0BB682	
12 SMD 0805 10nF MLCC capacitor			
1.	SMD size	0805	
2.	Voltage rating	50V or higher	
3.	Capacitor value	10nF	
4.	Tolerance	10%	
5.	TC material	X7R	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0805KRX7R9BB103 or AC0805KRX7R0BB103	
13 SMD 0805 22nF MLCC capacitor			
1.	SMD size	0805	

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2.	Voltage rating	50V or higher	
3.	Capacitor value	22nF	
4.	Tolerance	10%	
5.	TC material	X7R	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0805KRX7R9BB223 or AC0805KRX7R0BB223	
14 SMD 0805 47nF MLCC capacitor			
1.	SMD size	0805	
2.	Voltage rating	100V	
3.	Capacitor value	47nF	
4.	Tolerance	10%	
5.	TC material	X7R	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0805KKX7R0BB473	
15 SMD 0805 100nF MLCC capacitor			
1.	SMD size	0805	
2.	Voltage rating	100V	
3.	Capacitor value	100nF	
4.	Tolerance	10%	
5.	TC material	X7R	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0805KKX7R0BB104	
16 SMD 0805 100nF MLCC capacitor			
1.	SMD size	0805	
2.	Voltage rating	50V or higher	
3.	Capacitor value	1uF	
4.	Tolerance	10%	
5.	TC material	X7R	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0805KKX7R9BB105	
17 SMD 0603 1nF MLCC capacitor			
1.	SMD size	0603	
2.	Voltage rating	100V	
3.	Capacitor value	1nF	
4.	Tolerance	10%	
5.	TC material	X7R	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0603KRX7R0BB102	
18 SMD 0603 2.2nF MLCC capacitor			
1.	SMD size	0603	
2.	Voltage rating	100V	
3.	Capacitor value	2.2nF	
4.	Tolerance	10%	
5.	TC material	X7R	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0603KRX7R0BB222	
19 SMD 0603 4.7nF MLCC capacitor			
1.	SMD size	0603	
2.	Voltage rating	100V	
3.	Capacitor value	4.7nF	

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4.	Tolerance	10%	
5.	TC material	X7R	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0603KRX7R0BB472	
20 SMD 0603 10nF MLCC capacitor			
1.	SMD size	0603	
2.	Voltage rating	100V or higher	
3.	Capacitor value	10nF	
4.	Tolerance	10%	
5.	TC material	X7R	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0603KRX7R0BB103	
21 SMD 0603 22nF MLCC capacitor			
1.	SMD size	0603	
2.	Voltage rating	100V	
3.	Capacitor value	22nF	
4.	Tolerance	10%	
5.	TC material	X7R	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0603KRX7R0BB223	
22 SMD 0603 47nF MLCC capacitor			
1.	SMD size	0603	
2.	Voltage rating	100V	
3.	Capacitor value	47nF	
4.	Tolerance	10%	
5.	TC material	X7R	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0603KRX7R0BB473	
23 SMD 0603 100nF MLCC capacitor			
1.	SMD size	0603	
2.	Voltage rating	100V	
3.	Capacitor value	100nF	
4.	Tolerance	10%	
5.	TC material	X7R	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC0603KRX7R0BB104	
24 SMD 1206 1uF MLCC capacitor			
1.	SMD size	1206	
2.	Voltage rating	50V or higher	
3.	Capacitor value	1uF	
4.	Tolerance	10%	
5.	TC material	X7R	
6.	Operating Temp	-55 °C to +125 °C	
7.	Equivalent to P/N	AC1206KKX7R9BB105	

- All capacitor shall be qualified to AEC-Q200
- All capacitor shall be supplied in OEM reel
- Vendor should provide minimum 3 Months warranty for all items
- OEM authorization certificate to be provided along the quote.