



The DNA of tech.®

Fast Facts

Product Group: Vishay MLCC, September 2024



# Surface-Mount MLCCs With Lead (Pb)-Bearing Finish Termination – *Full Range Now Available*

Vishay has officially released its full range of lead (Pb)-bearing, AEC-Q200 qualified surface-mount MLCCs. Combining a stringent Automotive Grade qualification and a lead (Pb)-bearing termination (minimum 4 %), these parts mitigate tin whisker formation, making them an excellent choice for low Earth orbit (LEO) satellites and other high reliability, high risk applications.

QUICK REFERENCE DATA				
DIELECTRIC	CASE CODE	MAXIMUM VOLTAGE (V)	CAPACITANCE	
			MINIMUM	MAXIMUM
C0G (NP0)	0402	100	1.0 pF	220 pF
	0603	200	1.0 pF	820 pF
	0805	500	1.0 pF	3.9 nF
	1206	630	1.0 pF	8.2 nF
	1210	630	100 pF	12 nF
X7R	0402	100	120 pF	33 nF
	0603	200	330 pF	150 nF
	0805	200	330 pF	470 nF
	1206	630	220 pF	1.0 µF
	1210	630	390 pF	1.0 µF

## Key Advantages

- Lead (Pb)-bearing termination finish to mitigate tin whisker formation
- Qualified to stringent Vishay Automotive Grade requirements

## Useful Links

- [VJ....32 Lead-Bearing Finish MLCCs Datasheet](#)
- [Vishay Automotive Grade MLCCs for Tin Whisker Mitigation in LEO Satellites](#)
- [Reliability of Lead \(Pb\)-Bearing Vishay Automotive Grade MLCCs](#)

## Contact Information

The Americas  
**Brian Ward**  
[brian.ward@vishay.com](mailto:brian.ward@vishay.com)

Europe  
**Thomas Waechter**  
[thomas.waechter@vishay.com](mailto:thomas.waechter@vishay.com)

Asia / Pacific  
**BH Tan**  
[boonhooi.tan@vishay.com](mailto:boonhooi.tan@vishay.com)