

muRata SPEAKS

TECHNOLOGY | SOLUTIONS | INNOVATIONS

Questions & Answers



1 There are several kinds of temperature sensor in the market. Any advantage of thermistor compared with them?

Thermistor is presently a widely used temperature sensor in the electronics industry. It is used in various applications for thermal management, including those in the automobile, smartphone, appliance, industrial, and so on. Additionally, practically all IC platforms use thermistors as their default temperature sensors. That means the thermistor ecosystem is already present.

2 Which thermistor part is most popular for datacenter application?

Our SMD type thermistors, known as the NCU series, are frequently used in datacenter systems, including CPUs, accelerators, and power management. NCU series is recommended.

3 What are the differences between polymer aluminium capacitor (PAC) and other types of capacitors?

Apart from MLCC, PAC (Polymer Aluminium Capacitor) has the least ESR (Equivalent Series Resistance) amongst the family of capacitors. When it comes to reliability, it is much better than e-cap and Tantalum capacitors. Materials used in PAC is non-hazardous to the environment unlike Tantalum and e-cap.

4 What is Metal Terminal Capacitor?

Metal Terminal Capacitor is a type of capacitor that is anti-acoustic and anti-crack solution. The extend of bend is greater than the normal soft termination type of capacitors.

5 What is High Q Capacitors?

High Q means high quality factor type capacitor with internal construction different from standard 2-terminate capacitors. As the name suggested, the capacitor is less lossy and we recommend it for RF-related applications (for matching especially).

6 How's Murata standing in safety capacitors?

We have "Leaded" as well as "SMD" with molded types. Murata created molded type while taking reliability concerns associated with leaded type into consideration. Our safety caps adhere to the IEC-60384 safety standard. We have the combinations X1/Y1 and X1/Y2.

7 What application does the film capacitor on the slide serve?

Our film cap are in Auto grade and not promotional for Non-Auto grade.

8 Do you have a list of device for Edge computing support?

Watch the On-Demand webinar: **OCP Power for Edge Computing – Demystified Flexible Power Solutions for Edge & Hyperscale Computing** to learn more on Edge Computing Power from Murata. <https://www.murata.com/en-sg/webinars/power-202103>

9 Does Murata has any device that support to ORAN?

Murata do not have any device that support for ORAN, but our components are capable to support devices which are based on ORAN solution.

**10 What is Murata doing for sustainability in the production facilities?
Since the whole world is talking about sustainability - decarbonization and reducing carbon emission.**

Learn how Murata's challenge to achieve a sustainable future, please visit: https://corporate.murata.com/en-sg/more_murata/activity_for_re100