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ROHS Compliance Information

Legislative regulations regarding the use of infrared detectors containing mercury cadmium telluride (MCT)

General Information

This information refers to Directive 2011/65/EU of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment hereinafter referred to as ROHS Directive, with all relevant amendments, in the consolidated version of 22 July 2019.

The purpose of the ROHS Directive is to restrict the use of certain hazardous substances in electrical and electronic equipment (EEE). It regulates the use of and introduction of hazardous substances in electrical and electronic components. RoHS stands for the restriction of hazardous substances, which refers to the restriction of use of such hazardous substances as lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyl (PBB), and polybrominated diphenyl ether (PBDE).

Exemption Clauses

According to clause 1c of the Annex IV of the ROHS Directive lead, cadmium and mercury in infra-red light detectors are currently exempted from the restrictions imposed by the ROHS Directive. The exemption applies to medical devices and monitoring and control instruments.

1. Medical devices – EEE category 8

Exemption clause 1c states that an exemption applies until July 21, 2021, to the use of mercury and cadmium in infrared detectors, insofar as these detectors are used in medical devices and medical monitoring and control equipment, except for the in vitro diagnostic medical devices, for which the exemption applies until July 21, 2023.

2. Monitoring and control instruments, including industrial monitoring and control instruments – EEE category 9


The exemption clause 1c applies also to the use of mercury and cadmium in infrared detectors used in monitoring and control equipment until July 21, 2021.

However, in case of industrial monitoring and control instruments (i.e. "monitoring and control instruments designed for exclusively industrial or professional use") the exemption applies until July 21, 2024.

Future Extensions of Exemptions

We are committed to working together with the relevant industrial associations to obtain a further extension of the exemptions for medical technology and monitoring and control equipment beyond the years 2021 and 2024.

Łukasz Piekarski


Member of the Board