

CyOptics RoHS Status Summary

January, 2010



RoHS requirements - Recap

A product is RoHS compliant if the homogenous material content [Note 1] of the products does not exceed the following concentration values:

Lead: 0.1% by weight ←———— May be exempted in certain circumstances (next slide)

Mercury: 0.1% by weight

Cadmium: 0.01% by weight

Cr6+: 0.1% by weight

PBBs, PBDEs: 0.1% by weight

[Note 1] “Homogeneous material” means a unit that can not be mechanically disjointed into different materials

EU deadline for RoHS compliance was July, 2006 at the system level



Some key exemptions

- " 5 (Pb in glass of electronic components, CRTs, fluorescent tubes)
- " 6 (Pb as an alloying element in steel, aluminum, copper alloy)
- " 7 (Pb in (b) "solders for network infrastructure equipment for switching, signaling, transmission", (c) electronic ceramic parts)
- " 13 (Pb and Cd in optical and filter glass)

Nomenclature and Definitions:

Note that "5/6" (or "RoHS 5") and "6/6" (or "RoHS 6") are not formal EU/ RoHS designations and the following definitions have arisen from the system level as shorthand summaries for product status:

"5/6" – product containing lead in solders as allowed by exemption 7b, and otherwise compliant using any other allowed exemptions

"6/6" – product which does not utilize exemption 7b (no lead solders) and otherwise compliant using any other allowed exemptions

Note that "6/6" is distinct from "exemption free" in that exemptions other than 7 are still allowed.



CyOptics Products Status

CyOptics “5/6” compliant products (using exemption 7b) (Notes 2, 3):

- “ D23xx and D25xx family of 14-pin butterfly lasers
- “ E25xx and E45xx 7 and 14 pin butterfly EA modulated lasers
- “ A11x and A40x family of LIM modules
- “ C48x family of cooled 2.5Gb/s transmitters
- “ R19x family of co-planar 10Gb/s receivers

CyOptics “6/6” compliant products (not using exemption 7b) (Notes 2, 3):

- “ All Fabry Perot, DFB, EML and APD chip (die) and chip-on-carrier products
- “ D37x, D57x and A37x family of 8-pin miniDIL laser products
- “ P17x family of 8-pin miniDIL receivers
- “ 164x family of 10Gb/s ROSA products
- “ A15x family of uncooled 1.3 μ m EML TOSAs
- “ 160x, 161x, 162x and 163x cooled TOSA products
- “ All TO-can laser products

Note 2: The eligibility determination for exemptions is made at the system and not the component level

Note 3: Exemptions 5, 6, 7c and 13 may apply.

