



Date: 7 Apr '22

To valued Customers of Alpha Power Solutions Ltd(APS)
至尊贵的 APS 客户

Subject: Declaration of environmental compliance for APS's Products

APS 产品的环境符合声明

Dear valued Customers/Distributors,
尊贵的客户/代理商,

In view of the increasingly attention on environmental protection, APS shall continue to work closely with our suppliers to assure the compliance of our products with all the legal and statutory requirements about environment friendly material composition, including RoHS, REACH SVHC, Halogen Free and Conflict Minerals. This letter is to provide additional information and data for your reference how APS support these initiatives and help you as APS's trusted partners to respond to any requests from your end customers regarding the relevant compliance data.

APS also supports the goals and objectives of the Conflict Minerals Policy which aims to prevent the use of conflict minerals that directly or indirectly finance or benefit armed groups in the Democratic Republic of the Congo (DRC) or an adjoining country. Conflict minerals include columbite-tantalite (coltan, tantalum), cassiterite(tin), gold, wolframite(tungsten) and their derivatives determined by the policy. APS is committed to working with our customers to supply products that meet customer's requirements.

Please refer to appendices for the analysis summaries that confirm APS's products in compliance with RoHS II directive except for Lead exemption by RoHS 7a(lead in high melting temperature type die attach solders) or 7c (lead in glass or ceramic), IEC Halogen Free and REACH SVHC regulations.

鉴于环境保护日益受到重视, APS 应继续开展工作与我们的供应商紧密合作, 以确保我们的产品符合所有合法和环保材料组成的法律要求, 包括 RoHS, REACH SVHC, 无卤和冲突矿物。这封信是提供额外的 APS 如何支持这些计划并帮助您 APS 的可信任合作伙伴响应您的终端客户的任何请求相关合规数据。

APS 还支持冲突矿物政策的目标和目的防止使用直接或间接为武装组织提供资金或使其受益的冲突矿物在刚果民主共和国(DRC)或毗邻国家。冲突矿物质包括钨钽铁矿(钨钽, 钽), 锡石(锡), 金, 黑钨矿(钨)和他们的衍生品由政策决定。APS 致力于与我们的客户合作提供满足客户要求的产品。

附录中确认 APS 产品的分析总结请参考附录符合 RoHS II 指令, 但 RoHS 7a(高含铅量熔化温度型模贴焊料)或 7c(玻璃或陶瓷中的铅), IEC 卤素免费和 REACH SVHC 法规。

Should you have further inquiry please feel free to contact APS Sales/Marketing (sales@alpha-powers.com) for support.

如果您有进一步的查询, 请随时联系 APS 销售/市场(sales@alpha-powers.com)的支持。

Yours sincerely,

谨启

Prepared by

Wallace Cheng

Wallace Cheng – APS QRA Director

Approved by



Robert Zheng – APS COO

Appendices:

附录

1. Compliance data with RoHS II (Directive 2011/65/EU)
符合 RoHS II(指令 2011/65/EU)的数据
2. Compliance data with Halogen free as per IEC 61249-2-21
符合 IEC 61249-2-21 中不含卤素的要求

Appendix 1 – Compliance data with RoHS II (Directive 2011/65/EU)

Device: All series of products

Package Type: TO220 & TO247 (for other package types, please contact APS)

Reported Material	Unit	Limits of RoHS (PPM)	Test Method	Equipment	SGS Results*	MDL*
Cadmium and cadmium compounds	PPM	100	IEC 62321:2008 or equivalent	ICP-OES	N.D.	2
Lead and lead compounds	PPM	1000	IEC 62321:2008 or equivalent	ICP-OES	40	2
Lead and lead compounds	PPM	1000	IEC 62321:2008 or equivalent	ICP-OES	N.D.	2
Hexavalent Chromium compounds	PPM	1000	IEC 62321:2008 or equivalent	ICP-OES	Negative	--
PBBs (Polybrominated biphenyls)	PPM	1000	IEC 62321:2008 or equivalent	ICP-OES	N.D.	5
PBDEs (Polybrominated diphenyl ethers) or PBDOs (Polybrominated diphenyl oxides)	PPM	1000	IEC 62321:2008 or equivalent	ICP-OES	N.D.	

*MDL: Method Detection Limit

*N.D.: Not Detected

*SGS Results may vary slightly year on year but the bottom line should be within RoHS limits defined above

Appendix 2 – Compliance data with Halogen Free (IEC 61249-2-21)

Device: All series of products

Package Type: TO220 & TO247 (for other package types, please contact APS)

Test item	Unit	Method	Requirement	SGS Results*	MDL*
Chlorine	mg/kg (ppm)	BS EN 14582 or equivalent	<900ppm	N.D.	50
Bromine	mg/kg (ppm)	BS EN 14582 or equivalent	<900ppm	N.D.	50
Chlorine + Bromine	mg/kg (ppm)	BS EN 14582 or equivalent	<900ppm	N.D.	50

*MDL: Method Detection Limit

*N.D.: Not Detected

*SGS Results may vary slightly year on year but the bottom line should be within RoHS limits defined above