



RoHS and Halogen Free Compliance Report /不使用禁用物質證明書

PART NUMBER: W19B160ABB9H

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Winbond certifies that the above part number product is in compliance with Halogen Free (IEC 61249-2-21), European RoHS (EU Directive 2011/65/EU & 2015/863/EU), China RoHS, and Level 1 of SONY SS-00259 requirements.

華邦保證以上產品型號符合無鹵素(IEC 61249-2-21), 歐盟RoHS指令(指令 2011/65/EU & 2015/863/EU), 中國電子資訊產品污染控制管理辦法 及 索尼SS-00259第一級管理物質之規定

European Union's Restriction on Use of Hazardous Substances ("RoHS")

RoHS Restricted Substances	Threshold, Homogeneous Level
Cadmium (Cd)	< 100 ppm
Hexavalent Chromium (CrVI)	< 1000 ppm
Lead (Pb)	< 1000 ppm
Mercury (Hg)	< 1000 ppm
Polybrominated Biphenyls (PBBs)	< 1000 ppm
Polybrominated Diphenyl Ethers (PBDEs)	< 1000 ppm
Bis (2-ethylhexyl) phthalate (DEHP)	< 1000 ppm
Butyl benzyl phthalate (BBP)	< 1000 ppm
Dibutyl phthalate (DBP)	< 1000 ppm
Diisobutyl phthalate (DIBP)	< 1000 ppm

Halogen Free Specifications (IEC 61249-2-21, JPCA-ES01 2003, IPC 4101)

Halogen Restricted Substances	Threshold, Homogeneous Level
Chlorine (Cl)	< 900 ppm
Bromine (Br)	< 900 ppm
Total concentration of Bromine (Br) +Chlorine (Cl)	< 1500 ppm

* Third party analysis reports are available upon request through our sales representative

* 如您需要進一步分析報告, 請聯絡本公司銷售代表

Signature:

Name/Title:

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