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# Certificate of RoHS and HF Compliance

**TMF8820/21/28**

This is to certify that our product(s) listed on page two fully comply with below RoHS directives:

**EU RoHS Compliance.** As declared per Directive 2011/65/EU, quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (100 PPM) of homogeneous material for Cadmium.

**EU RoHS Phthalates Content.** As declared per amendment EU 2015/863, RoHS Phthalates: Bis(2-Ethylhexyl) Phthalate (DEHP), Benzyl Butyl Phthalate (BBP), Dibutyl Phthalate (DBP), and Diisobutyl Phthalate (DIBP), are added in the list of restricted substances with limits of 0.1% by mass (1000 PPM) on the homogeneous material level.

**China RoHS.** Hazardous substances similar to EU RoHS do not exceed concentration limits, quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (100 PPM) of homogeneous material for Cadmium.

**中国RoHS。**与欧盟RoHS类似的有害物质在以下均质材料中的质量不超过浓度限制——0.1% (1000 PPM)数量限制：铅(Pb)、汞、六价铬、多溴联苯、多溴二苯醚，均质镉材料质量(100 PPM)的0.01%数量限制。

**Halogen Free (HF).** Chemical substances chlorine and bromine do not exceed the threshold limits of 0.09% by mass (900 PPM) each, and the sum of these substances does not exceed the limit of 0.15% by mass (1500 PPM).

**无卤 (HF) 检测。**化学物质氯和溴在材料中的质量分别都不超过 0.09% (900 PPM) 的阈值限制。这些物质的总和也不超过 0.15% (1500 PPM) 的阈值限制。

The information provided in this statement represents ams AG knowledge and belief as of the date that it is provided. ams AG bases its knowledge and belief on information provided by third parties, and makes no representation or warranty as to the accuracy and shall have no liability for the consequences of use of such information. ams AG has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. ams AG and its suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.

Ordering Code	Material Number
TMF8820-1A	510840036 (TMF8820-1A OLGA12 LF T&RDP)
TMF8820-1AM	510840037 (TMF8820-1AM OLGA12 LF T&RDP)
TMF8821	510840038 (TMF8821N-1A OLGA12 LF T&RDP)
TMF8821	510840039 (TMF8821N-1AM OLGA12 LF T&RDP)
TMF8820N-1A	510840040 (TMF8820N-1A OLGA12 LF T&RDP)
TMF8821-1A	510840041 (TMF8821-1A OLGA12 LF T&RDP)
TMF8821-1AM	510840042 (TMF8821-1AM OLGA12 LF T&RDP)
TMF8828-1AM	510840043 (TMF8828-1AM OLGA12 LF T&RDP)
TMF8828-1A	510840044 (TMF8828-1A OLGA12 LF T&RDP)