









RoHS Compliance of Products

China RoHS Compliance of Products

(valid for standard sensor elements)

Product type	Connection material	RoHS	China RoHS							Environmental friendly use period 环境友善使用期限 (EFUP)
		RoHS exemption	Component Name 部件名称	Lead 铅 (Pb)	Mercury 汞 (Hg)	Cadmium 镉 (Cd)	Chromium VI 六价铬 (Cr VI)	Polybrominated biphenyls 多溴联苯 (PBB)	Polybrominated diphenyl ethers 多溴二苯醚 (PBDE)	
C 220	AgPd	None	n/a	O	O	O	O	O	O	
C 420	AgPd	7c-I	Glass	X	O	O	O	O	O	
C 416	AuPd	7c-I	Glass	X	O	O	O	O	O	
C 420	NiPt	7c-I	Glass	X	O	O	O	O	O	
HL 220	NiCr-Pt	None	n/a	O	O	O	O	O	O	
HM 220	Pd alloy-Pt	None	n/a	O	O	O	O	O	O	
HDA 420	Pt	None	n/a	O	O	O	O	O	O	
HA 420	Pt	None	n/a	O	O	O	O	O	O	
HD 421	Pt	None	n/a	O	O	O	O	O	O	
HDZ 420	Pt	None	n/a	O	O	O	O	O	O	

We reserve the right to make alterations and technical data printed. All data serve as a guideline and do not guarantee particular properties to any product.

Product type	Connection material	RoHS	China RoHS							Environmental friendly use period 环境友善使用期限 (EFUP)
		RoHS exemption	Component Name 部件名称	Hazardous Substances / 有害物质						
				Lead 铅 (Pb)	Mercury 汞 (Hg)	Cadmium 镉 (Cd)	Chromium VI 六价铬 (Cr VI)	Polybrominated biphenyls 多溴联苯 (PBB)	Polybrominated diphenyl ethers 多溴二苯醚 (PBDE)	
L 220	AgPd	7c-I	Glass	X	O	O	O	O	O	
L 416	AgPd	7c-I	Glass	X	O	O	O	O	O	
L 540	AgPd	7c-I	Glass	X	O	O	O	O	O	
L 410 ax	AgPd	7c-I	Glass	X	O	O	O	O	O	
L 420	AgPd	7c-I	Glass	X	O	O	O	O	O	
L 1020	AgPd	7c-I	Glass	X	O	O	O	O	O	
LN 222	NiAg	None	n/a	O	O	O	O	O	O	










We reserve the right to make alterations and technical data printed. All data serve as a guideline and do not guarantee particular properties to any product.

Product type	Connection material	RoHS	China RoHS							Environmental friendly use period 环境友善使用期限 (EFUP)	
		RoHS exemption	Component Name 部件名称	Hazardous Substances / 有害物质							
				Lead 铅 (Pb)	Mercury 汞 (Hg)	Cadmium 镉 (Cd)	Chromium VI 六价铬 (Cr VI)	Polybrominated biphenyls 多溴联苯 (PBB)	Polybrominated diphenyl ethers 多溴二苯醚 (PBDE)		
M 213	NiPt	None	n/a	O	O	O	O	O	O		
M 220 / 222	NiPt	7c-I	Glass	X	O	O	O	O	O		
M 416	NiPt	7c-I	Glass	X	O	O	O	O	O		
M 422	NiPt	7c-I	Glass	X	O	O	O	O	O		
M 1020	NiPt	7c-I	Glass	X	O	O	O	O	O		
M 219	NiPt	7c-I	Glass	X	O	O	O	O	O		
M 310	NiPt	7c-I	Glass	X	O	O	O	O	O		
M 419	NiPt	7c-I	Glass	X	O	O	O	O	O		
M 620	NiPt	7c-I	Glass	X	O	O	O	O	O		
MN 220 / 222	Ni	None	n/a	O	O	O	O	O	O		
MN 420 / 422	Ni	None	n/a	O	O	O	O	O	O		

We reserve the right to make alterations and technical data printed. All data serve as a guideline and do not guarantee particular properties to any product.

Product type	Connection material	RoHS	China RoHS							Environmental friendly use period 环境友善使用期限 (EFUP)
		RoHS exemption	Hazardous Substances / 有害物质							
			Component Name 部件名称	Lead 铅 (Pb)	Mercury 汞 (Hg)	Cadmium 镉 (Cd)	Chromium VI 六价铬 (Cr VI)	Polybrominated biphenyls 多溴联苯 (PBB)	Polybrominated diphenyl ethers 多溴二苯醚 (PBDE)	
MH 220	AuPd	None	n/a	○	○	○	○	○	○	
MH 416	AuPd	None	n/a	○	○	○	○	○	○	
MH 420	AuPd	None	n/a	○	○	○	○	○	○	
MR 828	NiPt	7c-I	Glass	X	○	○	○	○	○	
MR 845	NiPt	7c-I	Glass	X	○	○	○	○	○	
PCB 1325	Tinned Cu pads	None	n/a	○	○	○	○	○	○	
PCB 2230	Tinned Cu pads	None	n/a	○	○	○	○	○	○	
PCB 2240	Tinned Cu pads	None	n/a	○	○	○	○	○	○	
PCB 2225	Tinned Cu pads	None	n/a	○	○	○	○	○	○	
PCB 2236	Tinned Cu pads	None	n/a	○	○	○	○	○	○	

We reserve the right to make alterations and technical data printed. All data serve as a guideline and do not guarantee particular properties to any product.

Product type	Connection material	RoHS	China RoHS							Environmental friendly use period 环境友善使用期限 (EFUP)
		RoHS exemption	Component Name 部件名称	Hazardous Substances / 有害物质						
				Lead 铅 (Pb)	Mercury 汞 (Hg)	Cadmium 镉 (Cd)	Chromium VI 六价铬 (Cr VI)	Polybrominated biphenyls 多溴联苯 (PBB)	Polybrominated diphenyl ethers 多溴二苯醚 (PBDE)	
SMD-V 0603	Tinned edge metallization	None	n/a	○	○	○	○	○	○	
SMD-V 0805	Tinned edge metallization	None	n/a	○	○	○	○	○	○	
SMD-V 1206	Tinned edge metallization	None	n/a	○	○	○	○	○	○	
SMD 0603 FC	AgPt metallization	None	n/a	○	○	○	○	○	○	
SMD 0805 FC	AgPt metallization	None	n/a	○	○	○	○	○	○	
SMD 1206 FC	AgPt metallization	None	n/a	○	○	○	○	○	○	
SMD 1206 SC	AgPt / AgPd metallization	None	n/a	○	○	○	○	○	○	
TO92	Sn plated Cu alloy	None	n/a	○	○	○	○	○	○	
SOT 223	Sn plated Cu alloy	None	n/a	○	○	○	○	○	○	

We reserve the right to make alterations and technical data printed. All data serve as a guideline and do not guarantee particular properties to any product.

		RoHS	China RoHS							
			Hazardous Substances / 有害物质							
Product type	Connection material	RoHS exemption	Component Name 部件名称	Lead 铅 (Pb)	Mercury 汞 (Hg)	Cadmium 镉 (Cd)	Chromium VI 六价铬 (Cr VI)	Polybrominated biphenyls 多溴联苯 (PBB)	Polybrominated diphenyl ethers 多溴二苯醚 (PBDE)	Environmental friendly use period 环境友善使用期限 (EFUP)
			<p>This table is prepared in accordance with the provisions of SJ/T 11364. 本表格依据 SJ/T 11364 的规定编制。</p> <p>O: Indicates that said hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement of GB/T 26572. O: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。</p> <p>X: Indicates that said hazardous substance contained in at least one of the homogeneous materials for this part is above the limit requirement of GB/T 26572. X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。</p>							

We reserve the right to make alterations and technical data printed. All data serve as a guideline and do not guarantee particular properties to any product.

This is to certify that the product types listed in the enclosed table of standard sensor elements conform with the

**Directive 2011/65/EU of the European Parliament and of the Council
of 8 June 2011
on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS directive)
(last Amendment with Directive 2015/863/EU)**

The listed product types do not contain mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), bis(2-ethylhexyl) phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP) and diisobutyl phthalate (DIBP).
But the listed products can contain lead / a lead component which is explained as follows:

Lead (Pb) / lead components:

The sensor types can contain lead in form of lead oxide (PbO) which is combined with / fixed in the glass layers of the sensor element.
According to figure 7c-I of the annex of the directive 2011/65/EU the use of "lead in glass of ... electronic components" is exempted from the requirements of Article 4(1) of the directive.

Under consideration of the explained exemption and under consideration of quantity limits for restricted materials the listed product types are in compliance with the EU directive 2011/65/EU.

The declaration is only valid for standard sensor elements. Any change of the listed product types like for example extension with other lead material and/or housing and/or insulation and/or other changes made by Yageo Nexensos GmbH and/or made by the customer itself requires a new evaluation of the final sensor type / article for compliance with the RoHS directive.

Yageo Nexensos GmbH



J. Diederichs
Head of Quality Management