

Fraunhofer TESTED® DEVICE SAMICK PRECISION IND. LMES10uu

Report No. SA 2308-1446

Single product Outgassing Behavior VOC/SVOC

This document only applies to the named product in its original state and is valid for a period of 5 years from the current date the document was issued. The document can be verified under www.tested-device.com.

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.



This is to certify that the product mentioned above, provided by

SAMICK PRECISION IND. CO., Ltd Daegu, South Korea

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number SA 2308-1446.

The outgassing behavior of LMES10uu (color: black) at the stated temperatures was investigated according to ISO 14644-15. Based on the outgassing rates determined for the specific unit, the following material classification was made for the corresponding Contaminant Category:

Contaminant Category (x)	SER ^{¹)} 23 °C [g/unit∙s]	ISO ACC _e Class (x) based on 23° C
VOC	9.2 x 10 ⁻¹¹	- 10.0
SVOC	8.8 x 10 ⁻¹⁰	-9.1
Amines	< 2.8 x 10 ⁻¹³	
Organophosphates	< 2.8 x 10 ⁻¹³	
Siloxanes	< 2.8 x 10 ⁻¹³	
Phthalates	< 2.8 x 10 ⁻¹³	

¹⁾SER_u: Unit-specific emission rate

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on behalf of / / 1200/ Dr.-Ing. Frank Bürger, Project Manager Fraunhofer IPA