



Test Report

Report No: TQT1057N11E-R1

Date: Dec. 22, 2025

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Applicant: APSEMI (SHENZHEN) Co.,Ltd

Address: Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kong Cooperation Zone, Shenzhen, P.R. China

Manufacturer: APSEMI (SHENZHEN) Co.,Ltd

Address: Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kong Cooperation Zone, Shenzhen, P.R. China

The following sample(s) was /were submitted and identified on behalf of the clients as :

Sample Name : PHOTO MOS RELAY, OPTOMOS RELAY, PHOTO COUPLER

Main Test Model : APY/GAQY210 Series

Additional Model : APY/ADY/GAQY/OPT0 Series, APV/ADV/GAQV/OPT1 Series, APW/ADW/GAQW/OPT2 Series, APH/APS/APC/APM Series, APPL/ATLP/ALP/AEL Series, 4N/6N/CNY/MOC Series.

Sample Received Date : Dec. 08, 2025

Testing Period : Dec. 08, 2025 To Dec. 22, 2025

Test Requested : Inspect PFAS content in the selected parts as requested by client.

Test Method : Please refer to next page(s).

Test Result : Please refer to next page(s).

Signed for and on behalf of:

Liw wang/Manager

Date of issue : Dec. 22, 2025

Shenzhen Tianqi Testing Technology Service Co., Ltd.

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Sample Description:

Sample No.	Sample Description
1	Metal Pin
2	Photomos Relay

Test Method and Test Equipment:

Test item	Test Method	Test Equipment
PFAS	CEN/TS 15968:2010	GC-MS

Test Result (No.1):

Substance Name	CAS No.	Unit	MDL	Result
PFOS	1763-23-1	$\mu\text{g}/\text{m}^2$	0.5	N.D.
PFOA	335-67-1	$\mu\text{g}/\text{m}^2$	0.5	N.D.
PFOS	754-91-6	$\mu\text{g}/\text{m}^2$	0.5	N.D.
N-Methylperfluorooctanesulfonamide	31506-32-8	$\mu\text{g}/\text{m}^2$	0.5	N.D.
N-Ethylperfluorooctanesulfonamide	4151-50-2	$\mu\text{g}/\text{m}^2$	0.5	N.D.
N-Methylperfluorooctanesulfonamide ethanol	24448-09-7	$\mu\text{g}/\text{m}^2$	0.5	N.D.
N-Ethylperfluorooctanesulfonamide ethanol	1691-99-2	$\mu\text{g}/\text{m}^2$	0.5	N.D.
7H-Perfluoroheptanoic acid	1546-95-8	$\mu\text{g}/\text{m}^2$	0.5	N.D.
2H,2H-Perfluorodecanoic acid	27854-31-5	$\mu\text{g}/\text{m}^2$	0.5	N.D.
perfluorobutyric acid	375-22-4	$\mu\text{g}/\text{m}^2$	0.5	N.D.
perfluorovaleric acid	2706-90-3	$\mu\text{g}/\text{m}^2$	0.5	N.D.
perfluorohexanoic acid	307-24-4	$\mu\text{g}/\text{m}^2$	0.5	N.D.
perfluoroheptanoic acid	375-85-9	$\mu\text{g}/\text{m}^2$	0.5	N.D.
Perfluorononanoic acid	375-95-1	$\mu\text{g}/\text{m}^2$	0.5	N.D.
perfluorodecanoic acid	335-76-2	$\mu\text{g}/\text{m}^2$	0.5	N.D.
perfluoroundecanoic acid	2058-94-8	$\mu\text{g}/\text{m}^2$	0.5	N.D.
perfluorododecanoic acid	307-55-1	$\mu\text{g}/\text{m}^2$	0.5	N.D.
perfluorotridecanoic acid	72629-94-8	$\mu\text{g}/\text{m}^2$	0.5	N.D.
perfluorotetradecanoic acid	376-06-7	$\mu\text{g}/\text{m}^2$	0.5	N.D.
perfluorobutanesulfonic acid	375-73-5	$\mu\text{g}/\text{m}^2$	0.5	N.D.

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Substance Name	CAS No.	Unit	MDL	Result
perfluorohexanesulfonic acid	355-46-4	µg/m ²	0.5	N.D.
perfluoroheptanesulfonic acid	375-92-8	µg/m ²	0.5	N.D.
perfluorodecanesulfonic acid	335-77-3	µg/m ²	0.5	N.D.
1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	27619-97-2	µg/m ²	0.5	N.D.
2H,2H,3H,3H-perfluorodecanoic acid	34598-33-9	µg/m ²	0.5	N.D.
perfluoro-3,7-dimethyloctanoic acid	172155-07-6	µg/m ²	0.5	N.D.
1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	39108-34-4	µg/m ²	0.5	N.D.
1H,1H,2H,2H-Perfluorooctylacrylate	17527-29-6	µg/m ²	0.5	N.D.
1H,1H,2H,2H-Perfluorodecylacrylate	27905-45-9	µg/m ²	0.5	N.D.
1H,1H,2H,2H-Perfluorododecylacrylate	17741-60-5	µg/m ²	0.5	N.D.
1H,1H,2H,2H-perfluoro-1-octanol	647-42-7	µg/m ²	0.5	N.D.
1H,1H,2H,2H-perfluoro-1-decanol	678-39-7	µg/m ²	0.5	N.D.
1H,1H,2H,2H-perfluoro-1-dodecanol	865-86-1	µg/m ²	0.5	N.D.
PFOS	307-35-7	µg/m ²	0.5	N.D.
Methyl peroxoate	376-27-2	µg/m ²	0.5	N.D.
Ethyl perfluorooctanoate	3108-24-5	µg/m ²	0.5	N.D.

Test Result(No.2):

Substance Name	CAS No.	Unit	MDL	Result
PFOS	1763-23-1	µg/m ²	0.5	N.D.
PFOA	335-67-1	µg/m ²	0.5	N.D.
PFOS	754-91-6	µg/m ²	0.5	N.D.
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perfluorobutyric acid	375-22-4	µg/m ²	0.5	N.D.
perfluorovaleric acid	2706-90-3	µg/m ²	0.5	N.D.
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perfluorohexanesulfonic acid	355-46-4	$\mu\text{g}/\text{m}^2$	0.5	N.D.
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perfluorodecanesulfonic acid	335-77-3	$\mu\text{g}/\text{m}^2$	0.5	N.D.
1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	27619-97-2	$\mu\text{g}/\text{m}^2$	0.5	N.D.
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PFOS	307-35-7	$\mu\text{g}/\text{m}^2$	0.5	N.D.
Methyl peroctoate	376-27-2	$\mu\text{g}/\text{m}^2$	0.5	N.D.
Ethyl perfluorooctanoate	3108-24-5	$\mu\text{g}/\text{m}^2$	0.5	N.D.

- Note:**
1. mg/kg= ppm
 2. N.D.=Not Detected (<MDL)
 3. MDL =Method Detection Limit
 4. --= No Testing

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Sample Figure:

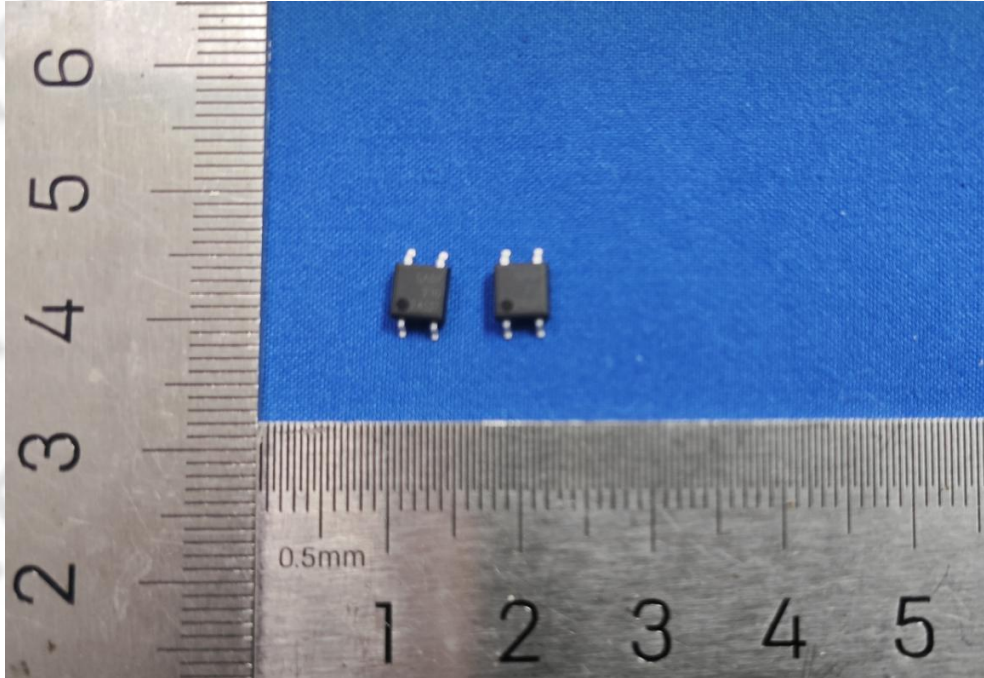


Figure 1

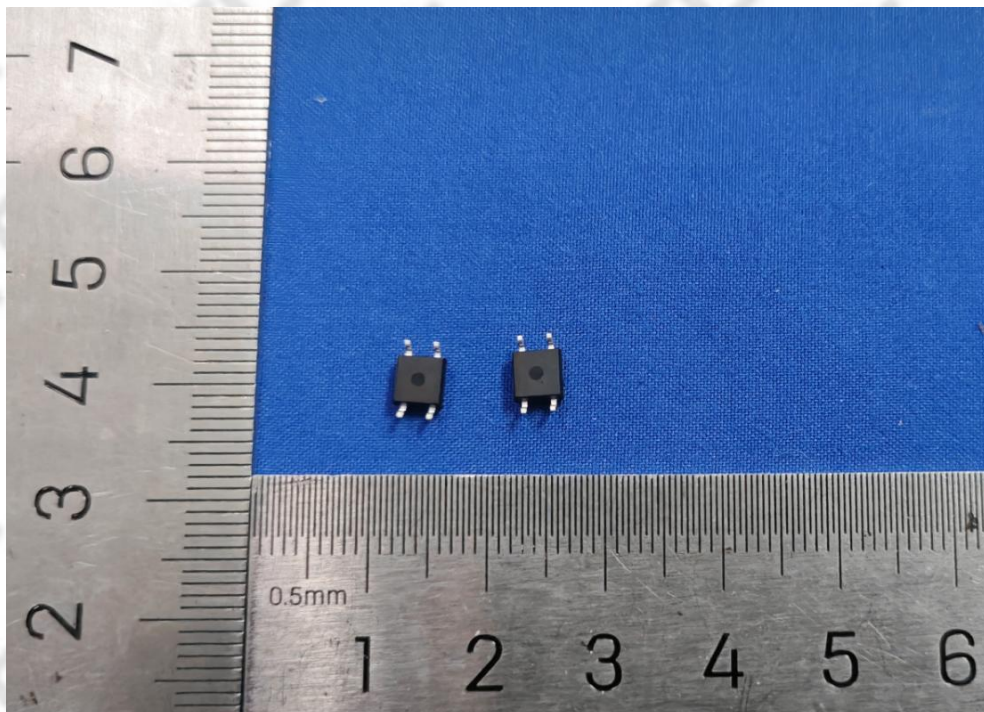


Figure 2

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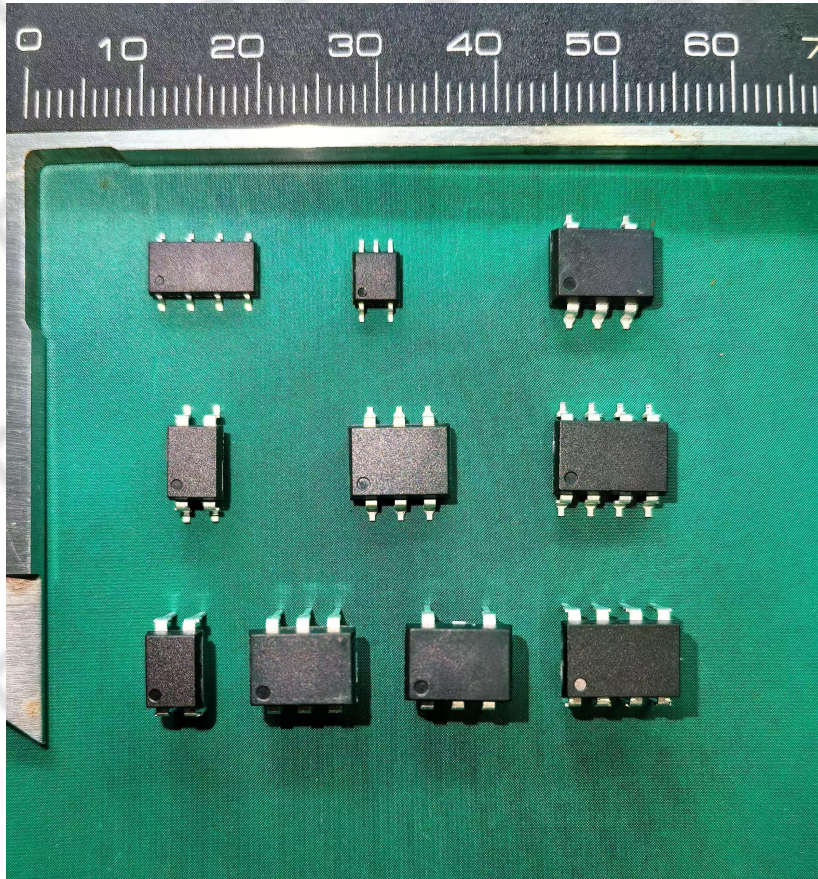


Figure 3

***** End of Report *****

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