



Product Change Notification



Product Group: SIL/Thu Jul 1, 2021/PCN-SIL-022-2021-REV-0

Vishay Siliconix Announces New Material of Conductive Die Attach Film (CDAF) for SC75A-3L package for Commercial Power MOSFETs

DESCRIPTION OF CHANGE: Vishay Siliconix announces new material of conductive die attach for SC75A-3L package for Low Voltage Commercial power MOSFETs i.e. New Material for die attach (Conductive Die attach Film) for SC75A-3L package. This change is from eutectic to CDAF (Conductive Die Attach Film) for the Die Attach process, the wafer back metal material changes from CrAu to TiNiAg as required to support the CDAF process. CDAF provides consistent bond line thickness without die tilt, low bleed, low fillet height and full coverage.

The SC75A-3L package physical dimension and electrical characterization in application will be no changes.

REASON FOR CHANGE: Part of continued quality improvement program

EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE: Enhancement to long-term product reliability

PART NUMBERS/SERIES/FAMILIES AFFECTED: Please see materials list on the succeeding page.

VISHAY BRAND(s):

TIME SCHEDULE:

Start Shipment Date: Fri Oct 1, 2021

SAMPLE AVAILABILITY: Please contact your regional Vishay Sales office for sample availability

PRODUCT IDENTIFICATION: There will be no change to part numbering

QUALIFICATION DATA: Qualification results are available upon request

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Thu Sep 30, 2021 or as specified by contract.

ISSUED BY: Michael Hsieh, Michael.Hsieh@vishay.com

For further information, please contact your regional Vishay office.

CONTACT INFORMATION:

Americas

Vishay Americas
2585 Junction Avenue
San Jose CA United States 95134
Phone: +1-408-988-8000
Fax: +1-408-567-8942

Europe

Vishay Electronic GmbH
Dr.-Felix-Zandman-Platz 1
Selb Germany D-95100
Phone: +49-9287-710
Fax: +49-9287-70435

Asia

Vishay Intertechnology Asia Pte. Ltd
37A Tampines Street 92
#07-00 Keppel Building
Singapore Singapore 528886
Phone: +65-6788-6668
Fax: +65-6788-0988

Vishay Intertechnology, Inc.

Corporate Headquarters 63 Lincoln Highway, Malvern, PA 19355-2143 U.S.A. Phone (610) 644-1300 Fax (610) 296-0657 www.vishay.com

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT



Product Change Notification



Product Group: SIL/Thu Jul 1, 2021/PCN-SIL-022-2021-REV-0

SI1012CR-T1-GE3	SI1012R-T1-GE3	SI1013R-T1-GE3	SI1021R-T1-GE3	SI1022R-T1-GE3
SI1031R-T1-GE3	SI1032R-T1-GE3			

Vishay Intertechnology, Inc.

Corporate Headquarters 63 Lincoln Highway, Malvern, PA 19355-2143 U.S.A. Phone (610) 644-1300 Fax (610) 296-0657 www.vishay.com

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT



Product Change Notification



Product Group: Vishay Siliconix / July 1st, 2021 / PCN-SIL-022-2021 Rev 0

Vishay Siliconix Announces New Material of Conductive Die Attach Film (CDAF) for SC75A-3L package for Commercial Power MOSFETs

DESCRIPTION OF CHANGE: Vishay Siliconix announces new material of conductive die attach for SC75A-3L package for Low Voltage Commercial power MOSFETs i.e. New Material for die attach (Conductive Die attach Film) for SC75A-3L package. This change is from eutectic to CDAF (Conductive Die Attach Film) for the Die Attach process, the wafer back metal material changes from CrAu to TiNiAg as required to support the CDAF process. CDAF provides consistent bond line thickness without die tilt, low bleed, low fillet height and full coverage.

The SC75A-3L package physical dimension and electrical characterization in application will be no changes.

CLASSIFICATION OF CHANGE: Direct Materials (Major).

REASON FOR CHANGE: Part of continued quality improvement program

EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE: Enhancement to long-term product reliability

PRODUCT CATEGORY: Low Voltage Commercial Power MOSFET

PART NUMBERS/SERIES/FAMILIES AFFECTED:

SC75A-3L parts as mentioned on Page 2

VISHAY BRAND(s): Vishay-Siliconix

TIME SCHEDULE: Shipments can begin on October 1st, 2021

SAMPLE AVAILABILITY: Please contact your regional Vishay Sales office for sample availability

QUALIFICATION DATA: Qualification results are available upon request

PRODUCT IDENTIFICATION: There will be no change to part numbering.

This PCN is considered approved, without further notification, unless we receive specific customer concerns before September 30th, 2021 as specified by contract

ISSUED BY: Michael Hsieh, Vishay Siliconix, Product Marketing Manager
E-mail address: Michael.Hsieh@Vishay.com

For further information, please contact your regional Vishay office.

The Americas
Vishay Americas
2585 Junction Avenue
San Jose, CA 95134
T: 408-988-8000
F: 408-567-8942

Europe
Vishay Electronic GmbH
Dr.-Felix-Zandman-Platz 1
D-95100
Selb, Germany
T: 49-9287-71 -0
F: 49-9287-70435

Asia
Vishay Intertechnology Asia Pte.
Ltd
37A Tampines Street 92
#07-00 Keppel Building
Singapore 528886
T: 65-6788-6668
F: 65-6788-0988

Vishay Intertechnology, Inc.

Corporate Headquarters 63 Lincoln Highway, Malvern, PA 19355-2143 U.S.A. Phone (610) 644-1300 Fax (610) 296-0657 www.vishay.com

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT



Product Change Notification



Product Group: Vishay Siliconix /July 1st, 2021 / PCN-SIL-022-2021 Rev 0

PCN-SIL-022-2021 Affected Parts List:

SN	Affected Part Number
1	SI1012CR-T1-GE3
2	SI1012R-T1-GE3
3	SI1013R-T1-GE3
4	SI1021R-T1-GE3
5	SI1022R-T1-GE3
6	SI1031R-T1-GE3
7	SI1032R-T1-GE3

Vishay Intertechnology, Inc.

Corporate Headquarters 63 Lincoln Highway, Malvern, PA 19355-2143 U.S.A. Phone (610) 644-1300 Fax (610) 296-0657 www.vishay.com

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT