

Product Change Notification



Product Group: SIL/Sun Feb 20, 2022/PCN-SIL-029-2021-REV-1

Vishay Siliconix Announces the Qualification of Single Gauge Lead-Frame for Commercial High Voltage MOSFETs Built in DPAK Package

DESCRIPTION OF CHANGE: This notification is made to advise that below mentioned parts packaged in the DPAK built in ASE Weihai factory has been qualified Single Gauge (SG) lead-frame for manufacturing with die size up to 148milX118mils.

This conversion is because Copper Foil supplier, Hitachi Metal, has decided to halt supplies of Copper Foil DPAK Dual Gauge (DG) strategically, which affects down-stream lead-frame stamping house ability to supply DG lead-frame to assembly house ASE Weihai.

The qualification of SG lead-frame results no change to any dimension of the POD. The SG lead-frame design has been qualified for Vishay

Siliconix DPAK manufacturing at ASE Weihai since 2014.

REASON FOR CHANGE: Material supply obsolescence and conversion

EXPECTED INFLUENCE ON QUALITY/RELIABILTY/PERFORMANCE: There will be no affect on the quality, reliability, or performance.

There will be no changes in minimum and maximum values on the datasheet. The finished good appearance and outline dimension remain no change.

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

VISHAY BRAND(s): Vishay Siliconix

TIME SCHEDULE:

Start Shipment Date: Wed Jun 1, 2022

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

PRODUCT IDENTIFICATION: There will be no changes to part marking. Products built with single gauge lead-frame will have part marking in the form of N24K where 4 is manufactured during ww19 to 24

QUALIFICATION DATA: Qualification results are available upon request

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Fri May 20, 2022 or as specified by contract.

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For further information, please contact your regional Vishay office.

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IRFR430APBF	IRFR430ATRPBF	IRFR430ATRLPBF	SIHFR430A-GE3	SIHFR430ATR-GE3
SIHFR430ATRL-GE3	SIHFR430ATRR-GE3			



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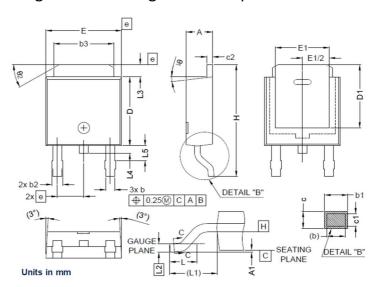
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PCN-SIL-029-2021-Rev-1 Additional Affected Parts List:

IRFR430APBF	IRFR430ATRPBF	IRFR430ATRLPBF	SIHFR430A-GE3
SIHFR430ATR-GE3	SIHFR430ATRL-GE3	SIHFR430ATRR-GE3	

DPAK Single Gauge vs. Dual Gauge POD Comparison

Complete	Single Gauge		Dual Gauge		
Symbol	Min	Max	Min	Max	
Α	2.18	2.39	2.18	2.39	
A1		0.13		0.13	
b	0.64	0.884	0.64	0.884	
b1	0.65	0.79	0.65	0.79	
b2	0.76	1.124	0.76	1.124	
b3	4.95	5.46	4.95	5.46	
С	0.46	0.61	0.46	0.61	
c1	0.41	0.56	0.41	0.56	
c2	0.4	0.6	0.4	0.6	
D	5.97	6.22	5.97	6.22	
D1	5.21	_	5.21	_	
E	6.35	6.73	6.35	6.73	
E1	4.32	_	4.32	_	
е	2.29BSC		2.29BSC		
Н	9.94	10.34	9.94	10.34	
L	1.5	1.78	1.5	1.78	
L1	2.7	4REF	2.74REF		
L2	0.51BSC		0.51BSC		
L3	0.89	1.27	0.89	1.27	
L4	1-1	1.02	-	1.02	
L5	1.14	1.492	1.14	1.492	
Ø	0°	10°	0°	10°	
Ø1	0°	15°	0°	15°	
Ø2	25°	35°	25°	35°	



DPAK Single Gauge vs. Dual Gauge Appearance

