



Product Change Notification



Product Group: Opto Modules & Visibles 22-JUL-2014 / PCN OMV-767-2014 Rev. 0

TITLE: Change of Production Location for 3mm and TELUX Devices

DESCRIPTION OF CHANGE: The 3mm and TELUX device production is moving out of the current production in NIDEC-Copal to a subcontractor in Bangkok, who has well established production lines for 3mm and TELUX package for many years. The lines are certified according ISO9001, TS16949 and ISO14001. The devices are using Subcon's package and are qualified on Subcon side according to Vishay's high quality standards. Using Subcon's package, there will be changes in material and dimensions

- Epoxy will change and will be halogen free
- Lead frame will remain in material, but slightly change in dimensions as described in the attachments. (Dimensional Changes) The currently used chips inside the affected devices do not change except AlInGaP for visible is standardized to 8mil chip size, down from 9mil. Affected device types are TLHA4*, TLHE4*, TLHF4*, TLHK4* Accordingly, there will be no change in data sheet limits with regards to optical and electrical characteristics. TSAL4400, and sub-type TSAL4403 will undergo a chip replacement: The currently used 940nm T260V chip will be replaced by the 940nm TB9411VA chip. While the new chip will provide ~25% higher radiant intensity and faster switching times, the datasheet limits for radiant intensity of the sub-type TSAL4403 will be adjusted accordingly. The limits of basic type TSAL4400 will be maintained and will have no changes. Affected customers for these devices will receive a separate detailed presentation. (TSAL4400_TSAL4403_T260V to TB9411VA_140717.pdf).

CLASSIFICATION OF CHANGE: Assembly Site

REASON FOR CHANGE: Contract with Nidec-Copal is expired and not renewed
Chip replacement for TSAL4400 and sub-type TSAL4403
AlInGaP chips for LED are standardized to 8 mill chip size

EXPECTED INFLUENCE ON QUALITY RELIABILITY / PERFORMANCE: No influence on quality
No Influence on reliability and performance

PRODUCT CATEGORY: LEDs

PART NUMBERS / SERIES / FAMILIES AFFECTED:

Please refer to the attached detailed part number list

VISHAY BRAND(s): VISHAY SEMICONDUCTORS

TIME SCHEDULE: Annotations about time schedule:

Start Shipment Date: 17-SEP-2014

Last Time Buy Date:

Last Time Shipment Date:

SAMPLES AVAILABLE BEGINNING: 23-JUL-2014

We need samples for evaluation: Yes No

If Yes return this form to contact information below.

PRODUCT IDENTIFICATION: Label/country code

QUALIFICATION DATA: available upon request

This PCN is considered approved, without further notification, unless we receive specific customer concerns before: 02-SEP-2014 or as specified by contract.

ISSUED BY:

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For further Information, please contact your regional Vishay office.

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Attached Part Number List:

Visibles	Visibles	Visibles	Visibles	Sensors
TLDR4400	TLHK4600	TLHY44K1L2	TLWR7600AL	TSAL4400-AS12
TLDR4900	TLHK46Q1R2	TLHY4600	TLWR7900	TSAL4400-ASZ
TLDR4901	TLHO4200	TLHY4601	TLWR8600	TSAL4400-CS12
TLHA4401R1S2	TLHO4201	TLHY4605	TLWR8600AL	TSAL4400-MS12
TLHA44R1S2	TLHO42M1N2	TLHY4605-MS12Z	TLWR8601	TSAL4400-MSZ
TLHA44R1S2-ASZ	TLHO4400	TLHY4900	TLWR8900	TSAL4403
TLHB4200	TLHO4400-AS12Z	TLL4401	TLWR8901	TSAL4404
TLHB4201	TLHP4200	TLL4607	TLWR8902	TSHA4400
TLHB4400	TLHP4201	TLLG4400	TLWR8902-60	TSHA4401
TLHB44K2M1	TLHP4201-AS12Z	TLLG4400-AS12	TLWR8902AL	TSHA4401-AS12Z
TLHE4200	TLHP42J2L1	TLLG4401	TLWR8903	TSUS4300
TLHE42T2V1	TLHP42K1L1	TLLG4401-AS12	TLWR9600	TSUS4400
TLHE4400	TLHR4200	TLLG4401-AS12Z	TLWR9900	TSUS4402
TLHE44R1S2-26	TLHR4201	TLLG4401-MS12	TLWY7600	V298P
TLHE4600	TLHR4201-AS12Z	TLLG4401-MS21	TLWY7900	V298PA
TLHF42U1V2-35	TLHR4205	TLLK4401	TLWY8600	V298PB
TLHF4400	TLHR4205-AS12Z	TLLR4400	TLWY8900	V4404P
TLHF4401	TLHR4400	TLLR4400-AS12Z	TLWY8900C	VSLB3940
TLHF4600	TLHR4400-AS12	TLLR4401	TLWY8902	VSLB3940-MSZ
TLHF4601	TLHR4400-AS12Z	TLLR4401-AS12	TLWY8905-60	VSLB3942
TLHF4900	TLHR4400-AS21	TLLR4401-AS12Z	VLWB9600	VSLB3948
TLHF4901	TLHR4400-AS21Z	TLLY4400	VLWB9900	VSLY3850
TLHG4200	TLHR4400-MS12	TLLY4400-MS12	VLWR9630	VSLB9530S
TLHG4200-AS12Z	TLHR4400-MS12Z	TLLY4401	VLWR9930	BPW85
TLHG4201	TLHR4401	TLLY4401-AS12	VLWR9931	BPW85A
TLHG4205	TLHR4401-AS12Z	TLLY4401-AS12Z	VLWR9932	BPW85B
TLHG4400	TLHR4405	TLLY4401-MS12	VLWR9933	BPW85B-MS12Z
TLHG4400-AS12	TLHR4405-AS21	TLUR4400	VLWTG9600	BPW85C
TLHG4400-AS12Z	TLHR4407	TLUR4400-AS12	VLWTG9900	TEFD4300
TLHG4400-AS21	TLHR4407-MS12Z	TLUR4401	VLWY9630	TEFD4300F
TLHG4400-AS21Z	TLHR4600	TLUR4401-AS12Z	VLWY9630T	TEFT4300
TLHG4400-MS12	TLHR4605	TLUR44K1L2	VLWY9631-2-Z4	TEFT4300-CS12Z
TLHG4401	TLHR4605-MS12Z	TLVB4200	VLWY9930	TEFT4300OS
TLHG4401-AS12Z	TLHR4900	TLVD4200	VLWY9932	TEFT4303
TLHG4405	TLHY4200	TLVD42Q1S2	VLWY9933-12	TEFT4303-CSZ
TLHG4405-AS12	TLHY4200-AS12Z	TLVD42R1S2		TEFT4304
TLHG4405-AS12Z	TLHY4201	TLVD4900		TEPT4400
TLHG4405-MS12	TLHY4205	TLVG4200		TEPT4400-MS12
TLHG44K1L2	TLHY4205-MS12	TLVG4900		TEPT4400-MSZ
TLHG4600	TLHY4400	TLVH4200		

TLHG4605	TLHY4400-AS12Z	TLVH4201
TLHG4605-AS12Z	TLHY4400-MS12	TLVH42N2Q2
TLHG4605-MS21Z	TLHY4401	TLVP4200
TLHG4900	TLHY4401-AS12Z	TLVP4201
TLHK4200	TLHY4405	TLVS4200
TLHK4200-AS12Z	TLHY4405-AS12	TLVY4200
TLHK42S1T2	TLHY4405-MS12	TLVY42N1P2-34
TLHK42T1U2	TLHY4405R-BSZ	TLWO7901C
TLHK44R1S2	TLHY4438	TLWR7600