

Product /Process Change Notification

PCN-20210167

Effective date: Dec. 1st, 2021

Description of Change:

Lite-On will be introducing additional dice materials for chip LED since of the long lead time of original dices. The affected part numbers are shown as below.

Reason of Change:

In an attempt to mitigate any potential risk to supply continuity, Lite-On has proactively identified alternative bill of materials to improve upon its current sources. The alternative dices have been qualified in Lite-On materials pool.

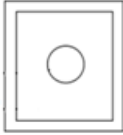

Affected part numbers:

LTST-C150AKT	LTST-C171GKT-AKO	LTST-C930AKT	LTST-S270AKT
LTST-C150EKT	LTST-C171GKTT	LTST-C930EKT	LTST-S270EKT
LTST-C150EKT-DL	LTST-C171YKT	LTST-C930GKT	LTST-S270GKT
LTST-C150GKT	LTST-C171YKT-T	LTST-C930GKT-ZY	LTST-S270YKT
LTST-C150GKT-RC	LTST-C190CKT-FJ	LTST-C930YKT	LTST-S272YKT-PE
LTST-C150JKTDL	LTST-C190EKT	LTST-C155GEKT	LTST-S320AKT
LTST-C150YKTDL	LTST-C190FKT	LTST-C155GYKT	LTST-S320EKT
LTST-C170EKT	LTST-C190FKTH-DY	LTST-C155JCKT	LTST-S320YKT
LTST-C170EKTDL	LTST-C190GKT-EL	LTST-C195GAKT	LTST-S321EKT
LTST-C170FKT	LTST-C190GKT-EL1	LTST-C195GYKT	LTST-S321GKT
LTST-C170GKT-BN	LTST-C190GKT-RC	LTST-S220AKT	LTST-S321YKT
LTST-C170JKTDL	LTST-C230AKT	LTST-S220EKT	LTST-S326EGWT
LTST-C170YKT	LTST-C230CKT	LTST-S220GKT	LTST-S326GYKT
LTST-C170YKTDL	LTST-C230EKT	LTST-S220GKT-5A	LTST-S326YGKT
LTST-C171EKT	LTST-C230GKT	LTST-S220YKT	LTST-S327YGKT-AN
LTST-C171GKT	LTST-C230YKT	LTST-S220YKT-5A	LTST-S327YGKT-AN1

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Effect of Change:

1. Dice:

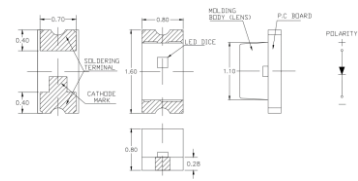
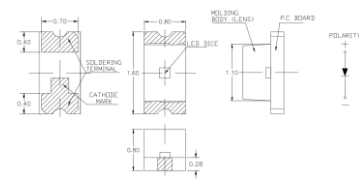
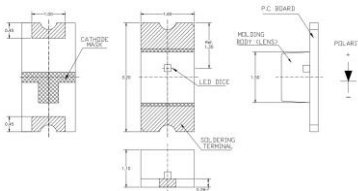
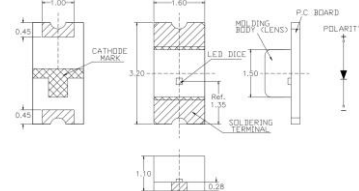
Original	New
GaAsP / GaP	AlInGaP
	

2. Optical and electrical characteristics:

PN	Iv (mcd)				HUE (nm)					
	Original		New		Original			New		
	min	max	min	max	min	typ.	max	min	typ.	max
LTST-C150YKTDL	-	-	-	-	585	-	592	585	-	594
LTST-C190FKTH-DY	12.5	22	11.2	45	-	-	-	-	-	-
LTST-C930AKT	4	50	18	112	-	602	-	600	-	610
LTST-C930EKT	6.3	80	71	280	-	-	-	-	-	-
LTST-C930GKT	10	125	71	450	-	-	-	-	-	-
LTST-C930GKT-ZY	11.2	112	71	450	567	-	579	565	-	575
LTST-C930YKT	4	50	45	180	-	-	-	-	-	-
LTST-C155GEKT	1.12	7.1	2.8	11.2	-	621	-	616	-	630
LTST-S220AKT	-	-	-	-	-	602	-	600	-	612
LTST-S270AKT	-	-	-	-	-	602	-	600	-	612
LTST-S320AKT	-	-	-	-	-	602	-	600	-	612
LTST-S327YGKT-AN1	-	-	-	-	-	585	-	584	-	594
	-	-	-	-	567.5	-	576.5	565	-	575.5

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3. PCB:

PN	Original	New
LTST-C190CKT-FJ		
LTST-C230CKT		

Reliability data:

Lite-On's existing internal qualification process has implemented for the alternative material to ensure the devices meet and exceed Lite-On's quality and reliability requirements.

Effective Date of Change:

New dices will be used from Dec. 1st ,2021.

Response date:

This PCN is considered approved, without further notification, unless we receive specific customer concerns within 1 month after the PCN issuance date.

Issued by:

LITEON OPS

SMD LOB

Sept. 1st, 2021