

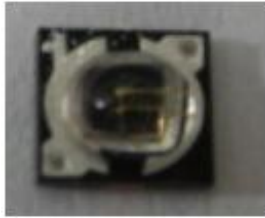
PRODUCT CHANGE NOTIFICATION

PCN No.:	10045	Date of Issue:	2015/08/05
Title of Change:	Change of LED Substrate Material	PCN Effective Date:	2015/08/05
Type of Change:	Cosmetic & Material Change	Last Time Buy Date:	N/A
Change Description:	Change the package substrate material from copper to ceramic	Last Time Ship Date:	N/A
Reason for Change:	To improve production capacity, maintain production cost and lead time		
	<p>Reference To Change Types:</p> <ul style="list-style-type: none"> ■ Acquisition (Complete) ■ Acquisition (Partial) ■ Fabrication Site Change / Qualification / Country of Origin / New Subcontractor ■ Obsolescence ■ Cosmetic Change ■ Name Change ■ Nomenclature Change ■ Reversal ■ Process Change ■ Design Change / Data Sheet Spec Change ■ Packaging and Media ■ Storage and Handling ■ Logistics ■ Roadmap ■ Quality Alert Notifications ■ Multiple Types ■ Environmental Announcement ■ New Component or Raw Material Added ■ Other 		
		10/10/2010	Revision A

Comparison

Original QBHP684U series with Copper Substrate

New QBHP684U series with Ceramic Substrate



Note: Only the substrate material is changed, all the electrical and optical parameters remain the same