



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Chemical Compatibility



Kit Part No. **CCK-6MX6**

## Chemical Compatibility Test Kit

- Includes 6 Cree MX-6 LEDs
- Used to properly test material chemical compatibility up to 85°C<sup>(1)(2)</sup> conditions
- Test material intended for use with LEDs for outgassing volatile organic compounds (VOCs) that can damage LEDs in a sealed environment
- MX-6 must run a constant current of 350mA<sup>(1)(2)</sup>
- Used to validate chemical compatibility with:  
MHB-A, MHD-G, MX-3, MX-6, ML-B, ML-C, and ML-E LEDs
- Reference Documents:
  - Chemical compatibility testing procedures video [HERE](#) 
  - <sup>(1)</sup>For most up to date testing information check the Cree chemical compatibility application notes [HERE](#) 
- <sup>(2)</sup>Make sure work surface can handle temperature conditions.

**18**  
pieces



CCK-6MX6

Last Modified 1/18/2017





Chemical Compatibility



Kit Part No. **CCK-6XHP50**

## Chemical Compatibility Test Kit

- Includes 6 Cree XHP LEDs
- Used to properly test material chemical compatibility up to 120°C<sup>(1)(2)</sup> conditions
- Test material intended for use with LEDs for outgassing volatile organic compounds (VOCs) that can damage LEDs in a sealed environment
- XHP must run a constant current of 700mA<sup>(1)(2)</sup>
- Used to validate chemical compatibility with:  
XHP35, XHP50, XHP70 LEDs
- Reference Documents:
  - Chemical compatibility testing procedures video [HERE](#) 
  - <sup>(1)</sup>For most up to date testing information check the Cree chemical compatibility application notes [HERE](#) 
- <sup>(2)</sup>Make sure work surface can handle temperature conditions.

**18**  
pieces



CCK-6XHP50

Last Modified 1/18/2017





Chemical Compatibility



Kit Part No. **CCK-6XPE**

## Chemical Compatibility Test Kit

- Includes 6 Cree XLamp® XP-E LEDs
- Used to properly test material chemical compatibility up to 85°C<sup>(1)(2)</sup> conditions
- Test material intended for use with LEDs for outgassing volatile organic compounds (VOCs) that can damage LEDs in a sealed environment
- XP-E must run a constant current of 700mA<sup>(1)(2)</sup>
- Used to validate chemical compatibility with:  
CXA, CXB, XP-C, XP-E, XP-G, XM-L, XM-L HV, XT-E, XT-E HV, MK-R, XB-D, XQ-D, XQ-B, and MT-G LEDs
- Reference Documents:
  - Chemical compatibility testing procedures video [HERE](#) 
  - <sup>(1)</sup>For most up to date testing information check the Cree chemical compatibility application notes [HERE](#) 
- <sup>(2)</sup>Make sure work surface can handle temperature conditions.

**18**  
pieces

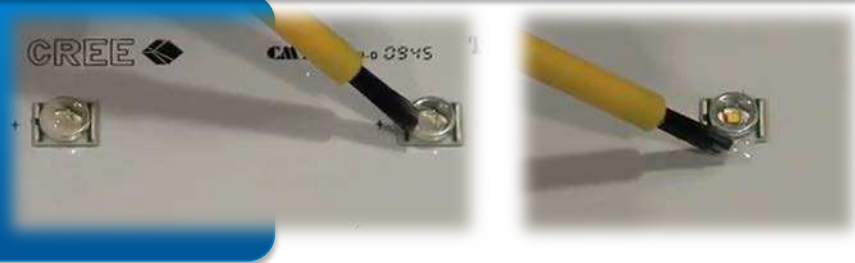


CCK-6XPE

Last Modified 7/13/2016



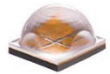
**1.** Place material to test on top of the first three LED components, then place the material to test on the base of the next two LED components. The final LED will be the control reference.



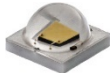
**2.** Mix the Arctic Silver Thermal Adhesive in a mixing cup. Apply the adhesive around the base of the glass vials then place around each LED. Twist slightly to ensure a proper seal.



**3.** Solder wire leads to each chemical board and attach a constant current supply. Drive current varies based on component type. Run test for 1,000 hours and watch for changes in LED intensity and/or color.



XHP50 must run constant current of 700mA<sup>(1)</sup>



XP-E must run constant current of 700mA<sup>(1)</sup>



MX-6 must run constant current of 350mA<sup>(1)</sup>



[www.youtube.com/watch?v=t24bf9D\\_1SA](http://www.youtube.com/watch?v=t24bf9D_1SA)



<sup>(1)</sup> For most up to date testing information check the cree chemical compatibility application notes below:  
[www.cree.com/xlamp\\_app\\_notes/chemical\\_compatibility](http://www.cree.com/xlamp_app_notes/chemical_compatibility)