

**PRODUCT CHANGE NOTICE**  
PCN Form (D4-E000-73)

**PCN#10-011**

**NOTIFICATION DATE: March 25, 2011**

**MODEL(S) AFFECTED:**

Open core TC-series

**EXTENT OF CHANGE:**

- Addition of Tophat™ (flat 'lid') to top-side of the core to enhance customer ability to handle in automated Pick and Place assembly
- Eliminate need to vary pick-up nozzle size in Pick and Place assembly
- Provide a surface for unique device marking using letter code (see attached)

**EFFECT OF CHANGE:**

- No change in fit or function
- Minor change in form (device appearance and ability to mark)

**REASON FOR CHANGE:**

Changes made to enable improvements in customer manufacturing throughput and use.

**EFFECTIVE DATE OF CHANGE:**

Immediate for models listed. Additional models to be transition over time.

**DELIVERY:**

Delivery after existing stock of unlidded version is exhausted.

**ATTACHMENTS:**

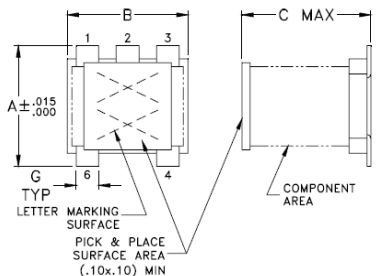


List of models affected & sample view with lid

**QUESTIONS?**

**PLEASE CONTACT US.**

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Unique Device Marking Using Letter Code	Tophat™ (Flat “Lid”)
	<p align="center">Sample of Flat “Lid”</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="876 672 1071 819">  <p align="center">Side View</p> </div> <div data-bbox="1153 672 1315 819">  <p align="center">Top View</p> </div> </div>

**Note:** Similar appearance for 6 leads terminations series as well.

**NOTE**

*Mini-Circuits is committed to continuous improvement and has introduced the Tophat™ feature in order to provide customers with an improved pick-up surface and device marking. We will, however, retain the existing design if you prefer to be supplied without the change.*

*Please contact your account manager or our Sales Department at [sales@minicircuits.com](mailto:sales@minicircuits.com) to confirm your requirements.*

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List of Models Affected
TCD-10-1W+
TCD-10-1W-75+
TCD-10-4-75+
TCD-13-4+
TCD-13-4-75+
TCD-18-4+
TCD-18-4-75+
TCD-20-4+
TCD-20-4-75+
TCD-9-1W+
TCD-9-1W-75+
TCML1-19+
TC1-1-13M+
TC1-1T+
TCM1-1+
TCM4-1W+
TC1.33-1T-75+
TC1-1-43+
TCP-2-10+
TCP-2-25+
TCP-2-33+
TC3-1T+
TC2-1T+
TC1.33-282+
TC1-15+
TC1-1+
TC1-1-13M-75+
TCP-2-10-75+

RESCINDED See PCN#11-013