

# CRH02

High efficiency diode (HED)

## Description

<b>Application Scope</b>	Switching-mode power supplies
<b>Internal Connection</b>	Single
<b>RoHS Compatible Product(s) (#)</b>	Available
<b>Assembly bases</b>	Japan / Malaysia

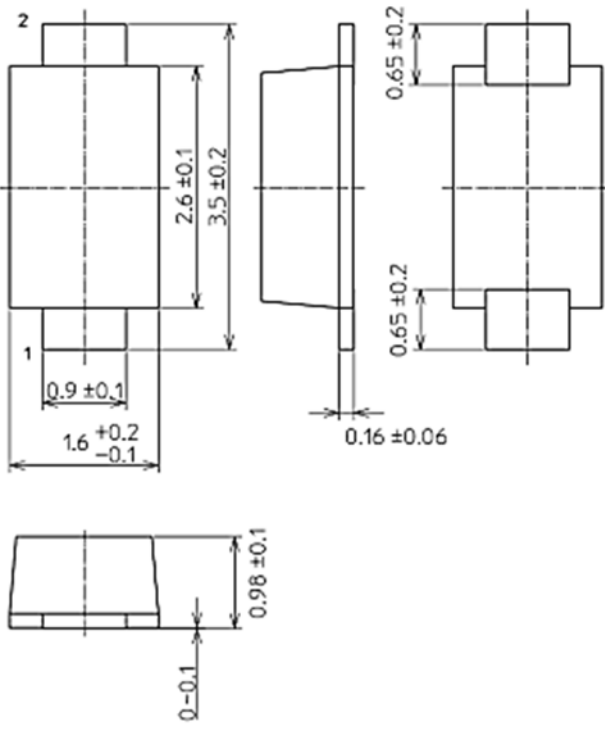
## Package Information

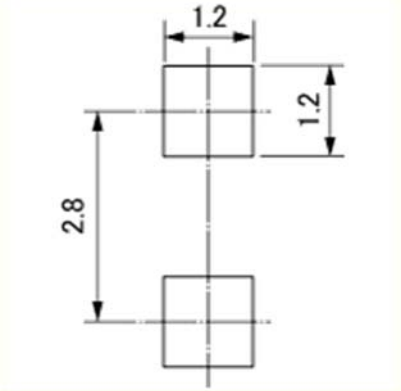
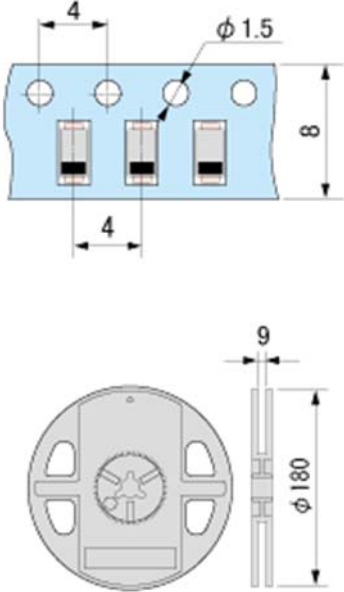
<b>Toshiba Package Name</b>	S-FLAT
<b>Package Image</b>	
<b>Pins</b>	2
<b>Mounting</b>	Surface Mount
<b>Width×Length×Height (mm)</b>	1.6×3.5×0.98

<b>Package Dimensions</b>	<b>View</b> <a href="https://toshiba.semicon-storage.com/shared/pkgimage/S-FLAT_pkgdim.gif">https://toshiba.semicon-storage.com/shared/pkgimage/S-FLAT_pkgdim.gif</a>
<b>Land pattern dimensions</b>	<b>View</b> <a href="https://toshiba.semicon-storage.com/shared/pkgimage/S-FLAT_paddim.gif">https://toshiba.semicon-storage.com/shared/pkgimage/S-FLAT_paddim.gif</a>

# S-FLAT

In developing your designs, please ensure the datasheet.

<b>Mounting</b>	Surface Mount
<b>Pins</b>	2
<b>WidthxLengthxHeight (mm)</b>	1.6x3.5x0.98
Package Dimensions (mm) / Land pattern dimensions for reference only (mm)	 <p>Technical drawing of the S-FLAT package showing three views: top, side, and end view. Dimensions are provided in millimeters with tolerances.</p> <ul style="list-style-type: none"> <li><b>Top View:</b> Shows a rectangular package with a width of <math>1.6^{+0.2}_{-0.1}</math> mm and a length of <math>3.5^{+0.2}</math> mm. The distance between the two pins is <math>2.6^{+0.1}</math> mm. The pin width is <math>0.9^{+0.1}</math> mm. The distance from the left edge to the first pin is <math>1.6^{+0.2}_{-0.1}</math> mm. The distance from the right edge to the second pin is <math>0.9^{+0.1}</math> mm.</li> <li><b>Side View:</b> Shows the package height of <math>0.98^{+0.1}</math> mm. The distance between the two pins is <math>0.65^{+0.2}</math> mm. The distance from the bottom edge to the first pin is <math>0.65^{+0.2}</math> mm. The distance from the bottom edge to the second pin is <math>0.65^{+0.2}</math> mm. The distance from the left edge to the first pin is <math>0.16^{+0.06}</math> mm.</li> <li><b>End View:</b> Shows the package height of <math>0.98^{+0.1}</math> mm. The distance from the bottom edge to the top edge is <math>0.98^{+0.1}</math> mm. The distance from the bottom edge to the top edge is <math>0.98^{+0.1}</math> mm.</li> </ul>

	
Packing Method	Embossed Tape
Packing Name	TE85L
Minimum Quantity	3000 pcs/Reel
Tape Width (mm)	8
Tape Dimensions (mm) / Reel Dimensions (mm)	

## Absolute Maximum Ratings

Characteristics	Symbol	Rating	Unit
Average Forward Current (Single)	$I_{F(AV)}$	0.5	A
Repetitive Peak Reverse Voltage	$V_{RRM}$	200	V

## Electrical Characteristics

Characteristics	Symbol	Condition	Value	Unit
Reverse Recovery Time (Max)	$t_{rr}$	-	35	nsec

## Orderable part number

Orderable part number (example)	MOQ(pcs)	Reliability Information	RoHS
CRH02(TE85L,Q	3000	<a href="https://toshiba.semicon-storage.com/info/docget.jsp?did=27367&amp;prodName=CRH02">https://toshiba.semicon-storage.com/info/docget.jsp?did=27367&amp;prodName=CRH02</a>	Yes

## Notes

- The Part Number column shows representative part numbers only, which may not be available for sale in the precise form shown. Each Part Number constitutes a product family which may contain multiple associated product configurations.

(#) Under the RoHS Compatible Product(s) column, "Available" means at least one RoHS-Compatible product is available for sale in the corresponding product family. "None" means no RoHS Compatible product is available in that product family. For Toshiba's definitions of concepts related to the RoHS Directive and RoHS Compatibility, please click [here](#). The RoHS compatibility information provided herein is to the best of Toshiba's knowledge and belief accurate as of the date Toshiba entered the information into this database. Information is subject to change at any time without notice.

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