



**THE DATASHEET OF  
CMG07(TE12L,Q,M)**




# CMG07

General-purpose diode

## Description

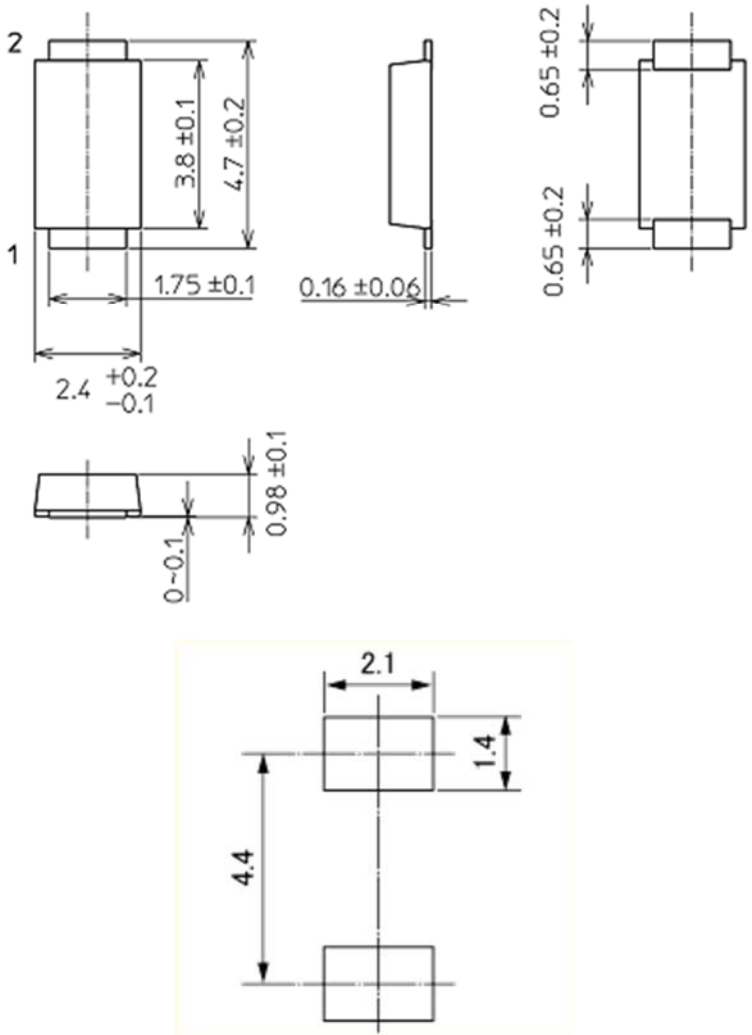
AEC-Q101	Conform(*)
RoHS Compatible Product(s) (#)	Available
Assembly bases	Japan / Malaysia

## Package Information

<b>Toshiba Package Name</b>	M-FLAT
<b>Package Image</b>	
<b>Pins</b>	2
<b>Mounting</b>	Surface Mount
<b>Width×Length×Height (mm)</b>	2.4×4.7×0.98
<b>Package Dimensions</b>	<b>View</b> <a href="https://toshiba.semicon-storage.com/shared/pkgimage/M-FLAT_pkgdim.gif">https://toshiba.semicon-storage.com/shared/pkgimage/M-FLAT_pkgdim.gif</a>
<b>Land pattern dimensions</b>	<b>View</b> <a href="https://toshiba.semicon-storage.com/shared/pkgimage/M-FLAT_paddim.gif">https://toshiba.semicon-storage.com/shared/pkgimage/M-FLAT_paddim.gif</a>

# M-FLAT

In developing your designs, please ensure the datasheet.

Mounting	Surface Mount
Pins	2
Width×Length×Height (mm)	2.4×4.7×0.98
Package Dimensions (mm) / Land pattern dimensions for reference only (mm)	 <p>The technical drawing includes the following dimensions:</p> <ul style="list-style-type: none"><li>Overall width: <math>2.4^{+0.2}_{-0.1}</math> mm</li><li>Distance from left edge to pin center: <math>1.75 \pm 0.1</math> mm</li><li>Pin diameter: <math>0.16 \pm 0.06</math> mm</li><li>Distance between pin centers: <math>3.8 \pm 0.1</math> mm</li><li>Overall length: <math>4.7 \pm 0.2</math> mm</li><li>Distance from right edge to pin center: <math>0.65 \pm 0.2</math> mm</li><li>Overall height: <math>0.98 \pm 0.1</math> mm</li><li>Distance from bottom edge to pin center: <math>0 \sim 0.1</math> mm</li><li>Land pattern dimensions: <math>2.1</math> mm width and <math>1.4</math> mm height, with a <math>4.4</math> mm spacing between the two land pattern rectangles.</li></ul>

Packing Method	Embossed Tape
Packing Name	TE12L
Minimum Quantity	3000 pcs/Reel
Tape Width (mm)	12
Tape Dimensions (mm) / Reel Dimensions (mm)	

### Absolute Maximum Ratings

Characteristics	Symbol	Rating	Unit
Average Forward Current (Single)	$I_{F(AV)}$	1	A
Repetitive Peak Reverse Voltage	$V_{RRM}$	400	V

## 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](#).  
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