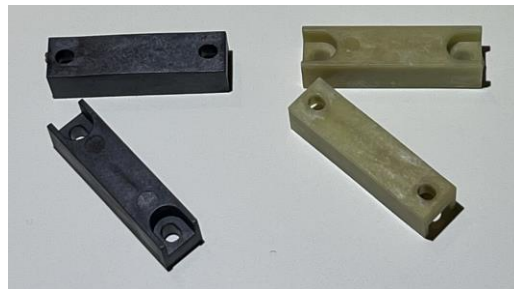


## RF Power Transistor Clamping Device

The TO270WB and the TO270WBL are clamping devices intended to provide improved thermal and electrical performance for overmolded plastic packaged RF Power Transistors. Based on the recommendations in the NXP Semiconductor Application Note [AN3789](#), the TO270WB and TO270WBL were designed to work in commercial grade RF applications. Please read NXP Semiconductor Application Note [AN3789](#) for proper installation guidelines.



### Key Features:

- Improved P1dB performance
- Improved IMD3 performance
- Designed for #4-40 or M3 Screws\*
- The TO270WB is designed to work with TO-270, TO-272, TO-270WB and TO-272WB packages
- The TO270WBL is designed to work with TO-270WBL and OM-780 packages.

### Absolute Maximum Ratings:

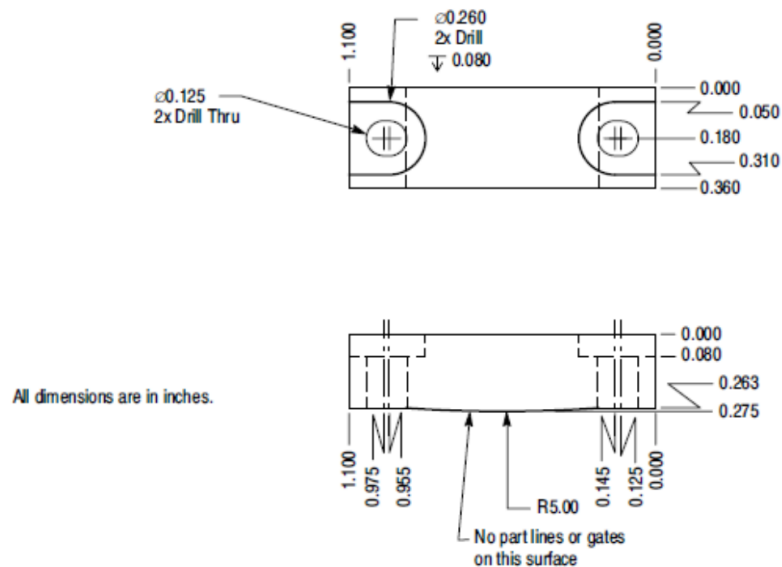
Parameters		Symbol	Value	Units
Temperature		T	175	°C
Torque	#4-40 screws		5	in-lb
	M3 screws		0.6	N-m

Package Name	Case Outline	Recommended Device
TO-270 WB-14	1618	TO270WB
TO-270 WB-16	1886	TO270WB
TO-270 WB-4	1486	TO270WB
TO-272 WB-14	1617	TO270WB
TO-272 WB-16	1329	TO270WB
TO-272 WB-4	1484	TO270WB
TO-272-2	1337	TO270WB
TO-272-6	1264A	TO270WB
TO-272-8	1366A	TO270WB
OM-780-2	2021	TO270WBL
TO 270 WBL-16	1866	TO270WBL
TO0270-WBL-4	1730	TO270WBL

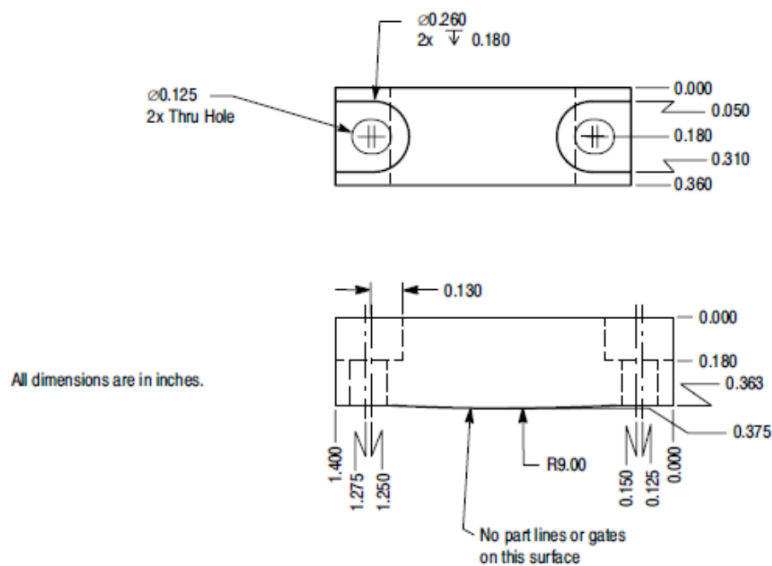
**Note:** Please refer to NXP Semiconductor Application Note [AN3789](#) thoroughly before use.

\* NXP Recommends 2 screws, 2 flat washers and 2 lock washers (not included with clamp)

## Mechanical Outline: TO270WB



## Mechanical Outline: TO270WBL



## Construction and Appearance

The TO270WB and TO270WBL are constructed of Celstran® PA66-GF60-02-US polyamide 66 with 60% long glass fiber reinforcement and heat stabilized material. This material is available in either “natural” or “black” pigment. Richardson RFPD will supply either pigment version based on availability.

## Ordering Information

Orderable Part Numbers	Pigment	Marking
TO270WB, TO270WBL	Natural or Black	None

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