



## Product Overview

### NSS40300: Low $V_{CE(sat)}$ Transistor, PNP, 40 V, 3.0 A

For complete documentation, see the data sheet

#### Product Description

The combination of low saturation voltage and high gain makes this Bipolar Power Transistor an ideal device for high speed switching applications where power saving is a concern.

Features	Benefits
<ul style="list-style-type: none"> <li>Low Collector-Emitter Saturation Voltage</li> <li>High DC Current Gain</li> <li>High Current-Gain Bandwidth Product</li> <li>NSV Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AECQ101 Qualified and PPAP Capable</li> <li>These Devices are PbFree, Halogen Free/BFR Free and are RoHS Compliant</li> </ul>	<ul style="list-style-type: none"> <li>Minimized power loss</li> <li>Very low current requirements</li> <li>Ideal for high frequency designs</li> </ul>

Applications	End Products
<ul style="list-style-type: none"> <li>Voltage regulation</li> <li>Power management for portable devices</li> <li>Switching regulator</li> <li>Inductive load driver</li> </ul>	<ul style="list-style-type: none"> <li>Battery chargers</li> <li>Portable devices</li> <li>Computing products</li> </ul>

#### Part Electrical Specifications

Product	Compliance	Status	Polarity	$I_C$ Continuous (A)	$V_{(BR)CEO}$ Min (V)	$V_{CE(sat)}$ Max (V)	$h_{FE}$ Min	$h_{FE}$ Max	$f_T$ Min (MHz)	$P_{TM}$ Max (W)	Package Type
NSS40300MZ4T1G	AEC Qualified Pb-free Halide free	Active	PNP	3	40	0.4	175	350	100	2	SOT-223-4 / TO-261-4
NSS40300MZ4T3G	AEC Qualified Pb-free Halide free	Active	PNP	3	40	0.4	175	350	100	2	SOT-223-4 / TO-261-4
NSV40300MZ4T1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	PNP	3	40	0.4	175	350	-	2	SOT-223-4 / TO-261-4

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com)

Created on: 7/11/2015