

## Product Overview

### NSS40500UW3: Low $V_{CE(sat)}$ Transistor, PNP, -40 V, 5.0 A

For complete documentation, see the data sheet.

Low  $V_{CE(sat)}$  Bipolar Transistors are miniature surface mount devices featuring ultra low saturation voltage  $V_{CE(sat)}$  and high current gain capability. These are designed for use in low voltage, high speed switching applications where affordable efficient energy control is important.

#### Features

- High Current, Low  $V_{CE(sat)}$ , ESD Robust, High Current Gain, High Cut Off Frequency, Low Profile Package, Linear Gain (Beta)

#### Benefits

- Improved Circuit Efficiency, Decreased Battery Charge Time, Reduce component count, High Frequency Switching, Smaller Portable Product, No distortion

#### Applications

- Load Switching, Battery Charging, External Pass Transistor, DC/DC Converter, Complimentary Driver, Current Extention & Low Drop Out Regulation, Cathode Florescent Lamp drive, Peripheral Driver - LEDs, Motors, Relays

#### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Polarity	Type	$V_{CE(sat)}$ Max (V)	$I_C$ Cont. (A)	$V_{CEO}$ Min (V)	$V_{CBO}$ (V)	$V_{EBO}$ (V)	$V_{BE(sat)}$ (V)	$V_{BE(O)}$ (V)	$h_{FE}$ Min	$h_{FE}$ Max	$f_T$ Min (MHz)	$P_{TM}$ Max (W)	Package Type
NSS40500UW3T2G		Pb-free Halide free non AEC-Q and PPAP	Active	PNP	Low $V_{CE(sat)}$	0.22	5	40	40	7	0.9	0.9	250	-	100	1.5	WDFN-3

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

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