



Product Overview

NSS40300DD: Low $V_{CE(sat)}$ Transistor, Dual PNP, 40 V, 6.0 A

For complete documentation, see the data sheet

Product Description

ON Semiconductor's e2PowerEdge family of Low $V_{CE(sat)}$ Bipolar Transistors are 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. Typical applications are low voltage motor controls in mass storage products such as disc drives and tape drives. In the automotive industry they can be used in air bag deployment and in the instrument cluster. The high current gain allows e2PowerEdge devices to be driven directly from PMU's control outputs, and the Linear Gain (Beta) makes them ideal components in analog amplifiers.

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 Extension & Low Drop Out Regulation, Cathode Florescent Lamp drive, Peripheral Driver - LEDs, Motors, Relays

End Products

- Mobile Phones, PDAs, MP3 players, Computers, Power Supplies, Automotive Body Electronics, Toys.

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
NSS40300DDR2G	AEC Qualified Pb-free Halide free	Active	Dual PNP	3	40	0.095	220	-	100	0.576	SOIC-8

For more information please contact your local sales support at www.onsemi.com

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