

NSVJ3910SB3

N-Channel JFET –25V, 20 to 40mA, 40mS



ON Semiconductor®

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Automotive JFET designed for compact and efficient designs and including high gain performance. AEC-Q101 qualified JFET and PPAP capable suitable for automotive applications.

Features

- High Forward Transfer Admittance
- High Breakdown Voltage
- Low Input Capacitance
- Low Noise Figure
- Pb-Free and RoHS compliance
- AEC-Q101 qualified and PPAP capable

Typical Applications

- Low Noise Amplifier for Automotive AM Radio

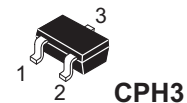
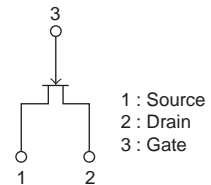
SPECIFICATIONS

ABSOLUTE MAXIMUM RATINGS at $T_a = 25^\circ\text{C}$ (Note 1)

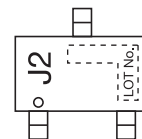
Parameter	Symbol	Value	Unit
Drain-to-Source Voltage	V_{DSX}	25	V
Gate-to-Drain Voltage	V_{GDS}	–25	V
Gate Current	I_G	10	mA
Drain Current	I_D	50	mA
Allowable Power Dissipation	P_D	400	mW
Operating Junction and Storage Temperature	T_J, T_{stg}	–55 to +150	$^\circ\text{C}$

Note 1 : Stresses exceeding those listed in the Maximum Ratings table may damage the device. If any of these limits are exceeded, device functionality should not be assumed, damage may occur and reliability may be affected.

ELECTRICAL CONNECTION N-Channel



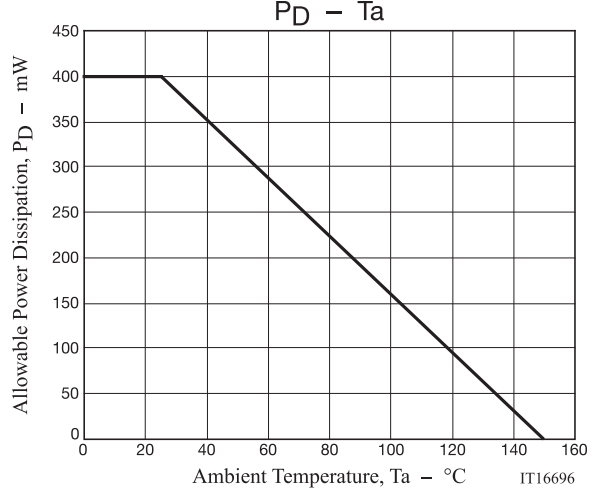
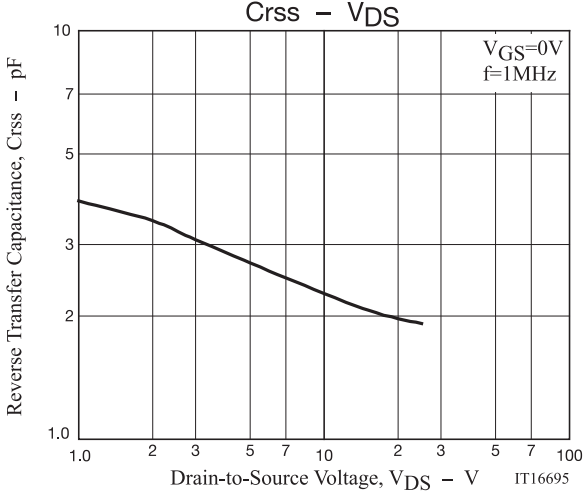
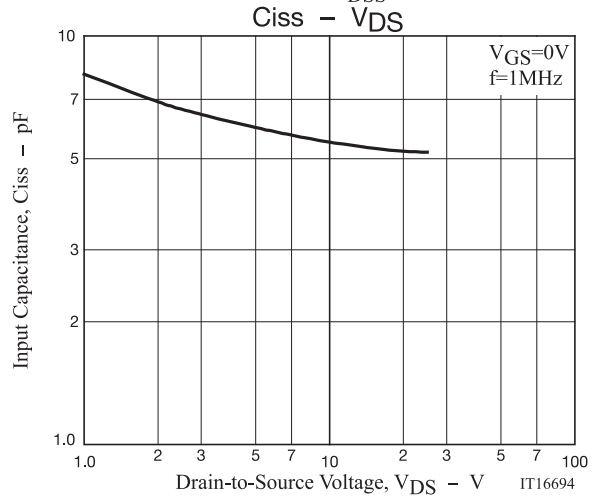
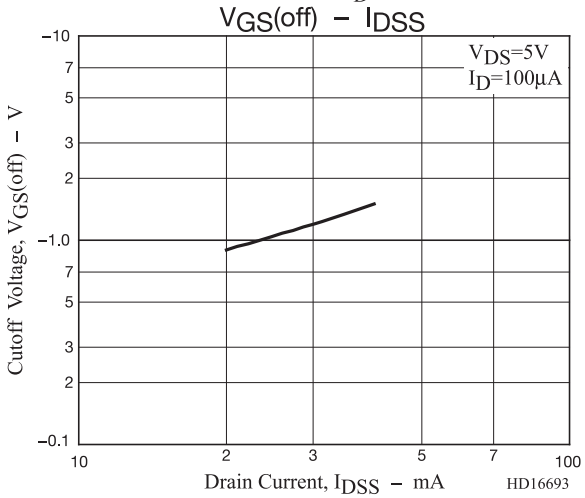
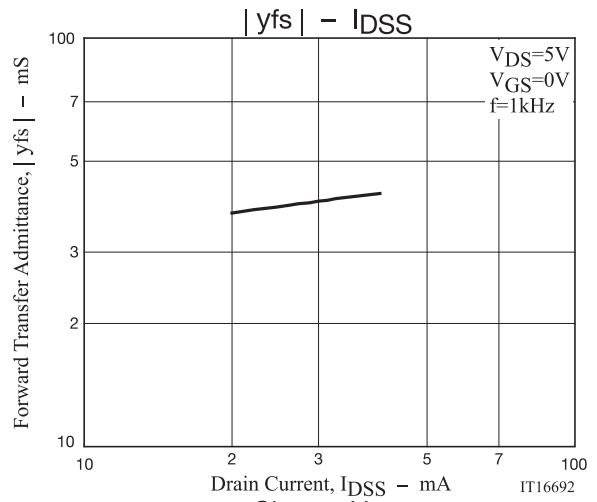
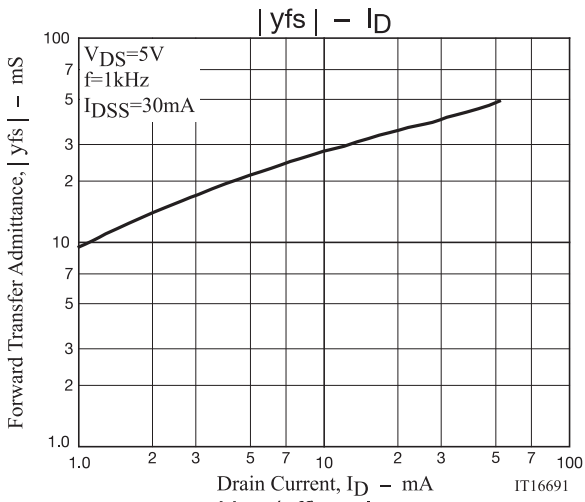
MARKING



ORDERING INFORMATION

See detailed ordering and shipping information on page 5 of this data sheet

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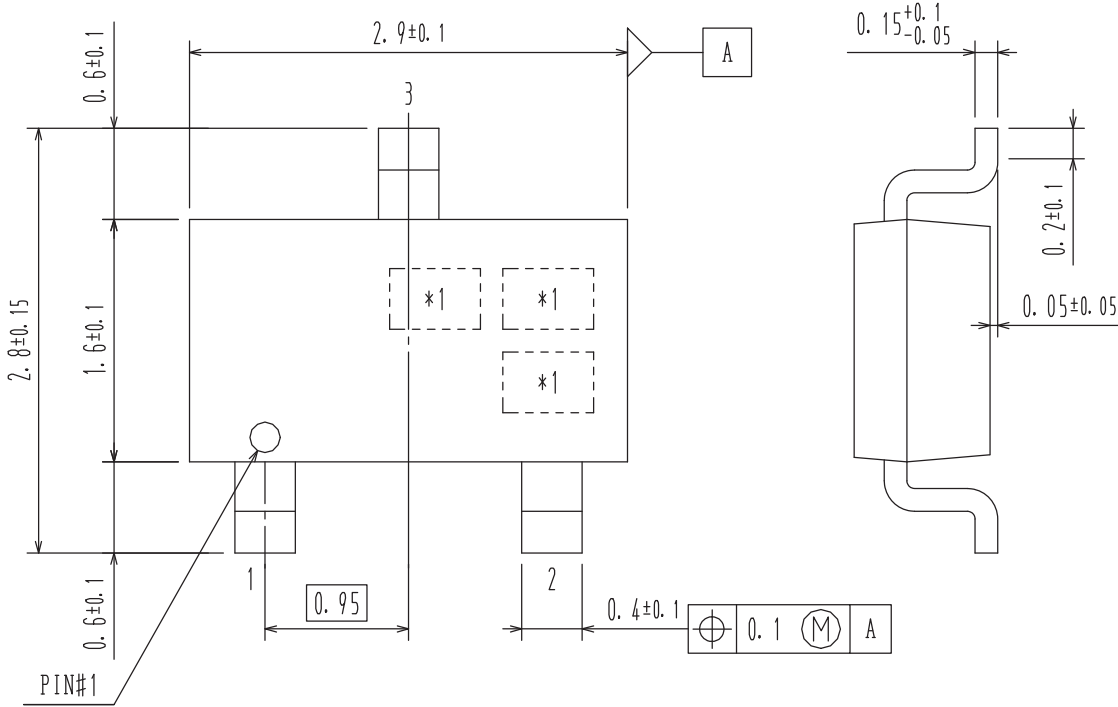
PACKAGE DIMENSIONS

unit : mm

CPH3

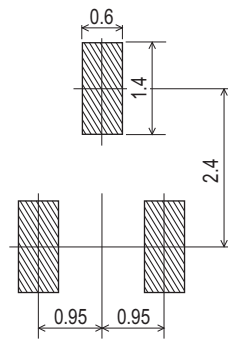
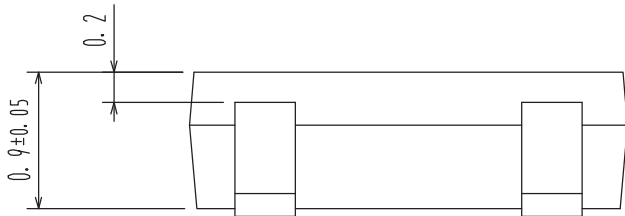
CASE 318BA

ISSUE O



*1 : Lot Indication

RECOMMENDED SOLDERING FOOTPRINT



- 1 : Source
- 2 : Drain
- 3 : Gate

NSVJ3910SB3

ORDERING INFORMATION

Device	Marking	Package	Shipping
NSVJ3910SB3T1G	J2	CPH3 (Pb-Free)	3,000 / Tape & Reel

† For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specifications Brochure, BRD8011/D. http://www.onsemi.com/pub_link/Collateral/BRD8011-D.PDF

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