

2N2608

**SILICON
P-CHANNEL JFET**



TO-18 CASE



www.centrasemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR 2N2608 is a silicon P-Channel JFET designed for low level amplifier applications.

MARKING: FULL PART NUMBER

MAXIMUM RATINGS: ($T_A=25^{\circ}\text{C}$)

Drain-Source Voltage
Drain-Gate Voltage
Gate-Source Voltage
Gate Current
Power Dissipation ($T_A=25^{\circ}\text{C}$)
Operating and Storage Junction Temperature

SYMBOL

V_{DS} 30
 V_{DG} 30
 V_{GS} 30
 I_G 50
 P_D 300
 T_J, T_{stg} -65 to +200

UNITS

V
V
V
mA
mW
 $^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS: ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
I_{GSS}	$V_{GS}=5.0\text{V}, V_{DS}=0$		10	nA
$*I_{DSS}$	$V_{DS}=5.0\text{V}, V_{GS}=0$	0.9	4.5	mA
BV_{GSS}	$I_G=1.0\mu\text{A}, V_{DS}=0$	30		V
$V_{GS(OFF)}$	$V_{DS}=5.0\text{V}, I_D=1.0\mu\text{A}$	1.0	4.0	V
$* y_{fs} $	$V_{DS}=5.0\text{V}, f=1.0\text{kHz}$	1000		μS
C_{iss}	$V_{GS}=1.0\text{V}, V_{DS}=5.0, f=140\text{kHz}$		17	pF
NF	$V_{DS}=5.0\text{V}, f=1.0\text{kHz}, R=1.0\text{M}\Omega$		6.0	dB

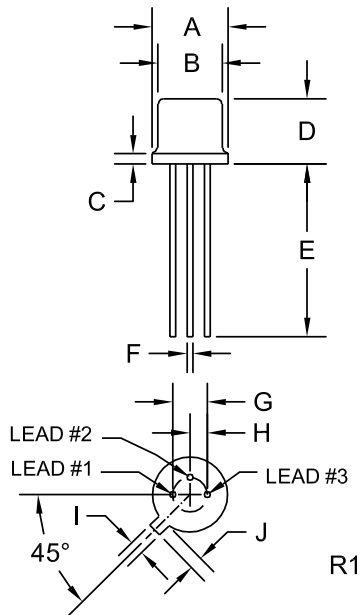
*Pulse width < 100msec, Duty cycle <10%

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TO-18 CASE - MECHANICAL OUTLINE



LEAD CODE:

- 1) Source
- 2) Gate
- 3) Drain

MARKING: FULL PART NUMBER

SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A (DIA)	0.209	0.230	5.31	5.84
B (DIA)	0.178	0.195	4.52	4.95
C	-	0.030	-	0.76
D	0.170	0.210	4.32	5.33
E	0.500	-	12.70	-
F (DIA)	0.016	0.019	0.41	0.48
G (DIA)	0.100		2.54	
H	0.050		1.27	
I	0.036	0.046	0.91	1.17
J	0.028	0.048	0.71	1.22

TO-18 (REV: R1)

R0 (2-April 2025)

OUTSTANDING SUPPORT AND SUPERIOR SERVICES



PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- Inventory bonding
- Consolidated shipping options
- Custom bar coding for shipments
- Custom product packing

DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free quick ship samples (2nd day air)
- Online technical data and parametric search
- SPICE models
- Custom electrical curves
- Environmental regulation compliance
- Customer specific screening
- Up-screening capabilities
- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- Application and design sample kits
- Custom product and package development

REQUESTING PRODUCT PLATING

1. If requesting Tin/Lead plated devices, add the suffix "TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
2. If requesting Lead (Pb) Free plated devices, add the suffix "PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

CONTACT US

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