J112

SILICON N-CHANNEL JFET



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The CENTRAL SEMICONDUCTOR J112 is a silicon N-Channel JFET designed for chopper and switching applications.



MARKING: FULL PART NUMBER

MAXIMUM I Drain-Gate	RATINGS: (T _A =25°C) Voltage	SYMBOL V _{DG}	35	UNITS V
Gate-Source	e Voltage	V_{GS}	35	V
Continuous	Gate Current	I_{G}	50	mA
Power Dissi	pation	P_{D}	350	mW
Operating and Storage Junction Temperature		T_J , T_{stg}	-65 to +150	°C
ELECTRICA	AL CHARACTERISTICS: (TA=25°C t	unless otherwise no	oted)	
SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
I _{GSS}	V _{GS} =15V		1.0	nA
IDSS	V _{DS} =15V	5.0		mA
D\/	I = = 1 Ou A	25		\/

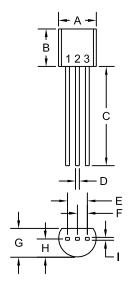
SYMBOL	TEST CONDITIONS VGS=15V	MIN	MAX 1.0	UNITS nA
I _{GSS}	V _{DS} =15V	5.0	1.0	mA
I _{DSS} BV _{GSS}	I _G =1.0μA	35		V
V _{GS(OFF)}	V _{DS} =5.0V, I _D =1.0μA	1.0	5.0	V
rDS(ON)	V_{DS} =0.1V, V_{GS} =0		50	Ω
C _{dg(on)}	$V_{DS}=V_{GS}=0$, f=1.0MHz		28	pF
C _{sg(on)}	$V_{DS}=V_{GS}=0$, f=1.0MHz		28	pF
C _{dg(off)}	V_{GS} =10V, f=1.0MHz		5.0	pF
C _{sg(off)}	V _{GS} =10V, f=1.0MHz		5.0	pF

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TO-92 CASE - MECHANICAL OUTLINE



DIMENSIONS							
	INCHES		MILLIMETERS				
SYMBOL	MIN	MAX	MIN	MAX			
A (DIA)	0.175	0.205	4.45	5.21			
В	0.170	0.210	4.32	5.33			
С	0.500	-	12.70	-			
D	0.016	0.022	0.41	0.56			
E	0.100		2.54				
F	0.050		1 . 27				
G	0.125	0.165	3.18	4.19			
Н	0.080	0.105	2.03	2.67			
	0.015		0.38				

TO-92 (REV: R1)

LEAD CODE: 1) Drain 2) Source 3) Gate

R1

MARKING:

FULL PART NUMBER

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

CONTACT US

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