2N3391A 2N3392 2N3393

SILICON NPN TRANSISTORS



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DESCRIPTION:

The CENTRAL SEMICONDUCTOR 2N3391A series are silicon NPN transistors designed for general purpose amplifier applications.



MARKING: FULL PART NUMBER

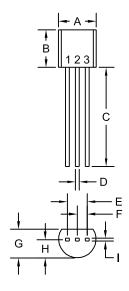
	_							
MAXIMUM F	RATINGS: (T _A =25°C)	SYM	BOL				U	INITS
Collector-Base Voltage		V_{CBO}			25			V
Collector-Emitter Voltage		V_{CEO}		25			V	
Emitter-Base Voltage		V_{EBO}		5.0			V	
Continuous Collector Current		I _C		500			mA	
Power Dissipation		PD		625			mW	
Operating and Storage Junction Temperature		T _J ,		-65 to +150		0		°C
Thermal Resistance		Θ	JA	200			c	°C\W
EL ECTRICAL	CHARACTERISTICS: /T =25°C um	Jaga atl		atad)				
SYMBOL	. CHARACTERISTICS: (T _A =25°C un TEST CONDITIONS	ness on M		otea)	MAX		u	INITS
ICBO	V _{CB} =18V	•••			100			nA
I _{EBO}	V _{EB} =5.0V				100			nA
BV_{CBO}	I _C =10μA	2	5					V
BV _{CEO}	I _C =10mA	2	5					V
BV_{EBO}	I _E =10μA	5.	0					V
C _{ob}	V _{CB} =10V, f=1.0MHz	2.0		10			pF	
NF	V_{CE} =4.5V, I_{C} =100 μ A, R_{G} =500 Ω ,							
	BW=15.7kHz (2N3391A only)				5.0			dB
		2112		0110		0110		
		2N3 MIN	391A MAX	2N3 MIN	392 MAX	2N3 MIN	393 MAX	
hFE	V _{CE} =4.5V, I _C =2.0mA	250	500	150	300	90	180	
h _{fe}	V _{CE} =4.5V, I _C =2.0mA, f=1.0kHz	250	800	150	500	90	400	

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TO-92 CASE - MECHANICAL OUTLINE



DIMENSIONS									
	INCHES		MILLIMETERS						
SYMBOL	MIN	MAX	MIN	MAX					
A (DIA)	OIA) 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	0.1	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					
I	0.0)15	0.38						

TO-92 (REV: R1)

LEAD CODE:

- 1) Emitter
- 2) Collector 3) Base

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 guick 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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