MPSA20 NPN MPSA70 PNP

COMPLEMENTARY SILICON TRANSISTORS

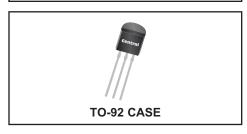


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DESCRIPTION:

The CENTRAL SEMICONDUCTOR MPSA20 and MPSA70 are complementary silicon transistors designed for general purpose amplifier and switching applications.

MARKING: FULL PART NUMBER



MAXIMUM RATINGS: (T _A =25°C)		SYMBOL		UNITS
Collector-Emitter Voltage		V _{CEO}	40	V
Emitter-Base	e Voltage	V_{EBO}	4.0	V
Continuous (Collector Current	IC	100	mA
Power Dissip	pation	P_{D}	625	mW
Operating and Storage Junction Temperature		T _J , T _{stg}	-65 to +150	°C
Thermal Resistance		$\Theta_{\sf JA}$	200	°C/W
	L CHARACTERISTICS: (T _A =25°C)			
SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
ICBO	V _{CB} =30V		100	nA
BVCEO	I _C =1.0mA	40		V
BV EBO	I _E =100μA	4.0		V
V _{CE} (SAT)	I _C =10mA, I _B =1.0mA		0.25	V
hFE	V _{CE} =10V, I _C =5.0mA	40	400	
f_{T}	V_{CE} =10V, I_{C} =5.0mA, f=100MHz	125		MHz
C _{ob}	V _{CB} =10V, I _E =0, f=100kHz		4.0	pF

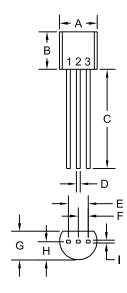
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COMPLEMENTARY **SILICON TRANSISTORS**



TO-92 CASE - MECHANICAL OUTLINE

R1



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			
Е	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) Emitter
- 2) Base 3) Collector

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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