2N5822 NPN 2N5823 PNP

COMPLEMENTARY SILICON TRANSISTORS



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The CENTRAL SEMICONDUCTOR 2N5822 and 2N5823 are epoxy molded complementary silicon small signal transistors manufactured by the epitaxial planar process designed for general purpose amplifier applications where a high collector current rating is required.

MARKING: FULL PART NUMBER



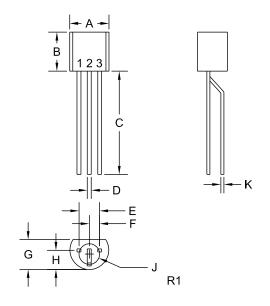
MAXIMUM R	ATINGS: (TA=25°C unless otherwise	se noted)		
	Little City Control of the Control o	SYMBOL		UNITS
Collector-Bas	se Voltage	V_{CBO}	70	V
Collector-Em	itter Voltage	VCES	70	V
Collector-Em	itter Voltage	V_{CEO}	60	V
Emitter-Base	Voltage	V_{EBO}	5.0	V
Continuous C	Collector Current	IC	750	mA
Peak Collecte	or Current	I _{CM}	1.0	Α
Power Dissip	ation	P_{D}	625	mW
Power Dissipation Power Dissipation (T _C =25°C) Operating and Storage Junction Temperature		P_{D}	1.5	W
_		T _J , T _{stg}	-65 to +150	°C
Thermal Resistance		Θ_{JA}	200	°C/W
Thermal Resistance		Θ JC	83.3	°C/W
ELECTRICA	L CHARACTERISTICS: (T _A =25°C	unless otherwise n	oted)	
SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
Ісво	V _{CB} =25V		100	nA
I _{CBO}	V _{CB} =25V, T _A =100°C		15	μΑ
I _{EBO}	V _{EB} =5.0V		10	μΑ
BV _{CES}	I _C =10μA	70		V
BV_{CEO}		60		V
BV_{EBO}	I _E =10μA	5.0		V

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TO-92-18R 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			
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			
J (DIA)	0.100		2.54				
K	0.015		0.38				

TO-92-18R (REV: R1)

LEAD CODE:

- 1) Collector
- 2) Base 3) Emitter

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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