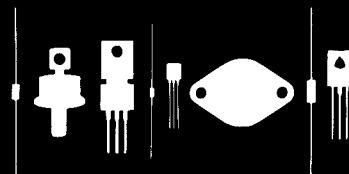


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145 Adams Avenue
Hauppauge, New York 11788



2N2726
2N2727

NPN SILICON TRANSISTOR

JEDEC TO-39 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR 2N2726, 2N2727 types are Silicon NPN Transistors designed for general purpose amplifier applications.

MAXIMUM RATINGS ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

	SYMBOL		UNIT
Collector-Base Voltage	V_{CB0}	200	V
Collector-Emitter Voltage*	V_{CER}	200	V
Collector-Emitter Voltage	V_{CEO}	150	V
Emitter-Base Voltage	V_{EB0}	6.0	V
Collector Current	I_C	500	mA
Base Current	I_B	250	mA
Power Dissipation	P_D	1.0	W
Power Dissipation ($T_C=25^{\circ}\text{C}$)	P_D	5.0	W
Operating & Storage Junction Temperature	T_J, T_{stg}	-65 TO +200	$^{\circ}\text{C}$

* $R_{BE}=5K\Omega$

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

SYMBOL	TEST CONDITIONS	2N2726		2N2727		UNIT
		MIN	MAX	MIN	MAX	
I_{CB0}	$V_{CB}=100\text{V}$		1.0		1.0	μA
I_{CB0}	$V_{CB}=100\text{V}, T_A=150^{\circ}\text{C}$		100		100	μA
I_{CEV}	$V_{CE}=200\text{V}, V_{BE}=1.5\text{V}$		300		300	μA
I_{CEV}	$V_{CE}=100\text{V}, V_{BE}=1.5\text{V}, T_A=150^{\circ}\text{C}$		150		150	μA
I_{CEO}	$V_{CE}=100\text{V}$		250		250	μA
I_{EB0}	$V_{EB}=6.0\text{V}$		250		250	μA
BV_{CER}	$I_C=50\text{mA}, R_{BE}\leq 5K\Omega$	200		200		V
BV_{CEO}	$I_C=20\text{mA}$	150		150		V
$V_{CE(SAT)}$	$I_C=200\text{mA}, I_B=40\text{mA}$		2.0		2.0	V
$V_{BE(ON)}$	$V_{CE}=10\text{V}, I_C=200\text{mA}$		3.0		3.0	V
h_{FE}	$V_{CE}=10\text{V}, I_C=200\text{mA}$	30	90	75	150	
h_{FE}	$V_{CE}=10\text{V}, I_C=200\text{mA}, T_A=55^{\circ}\text{C}$	15		30		
h_{fe}	$V_{CE}=30\text{V}, I_C=30\text{mA}, f=1.0\text{kHz}$	30		75		
f_T	$V_{CE}=30\text{V}, I_C=30\text{mA}, f=1.0\text{MHz}$	5		10		MHz

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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