

CentralTM Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

MJE340 NPN
MJE350 PNP

COMPLEMENTARY SILICON PLASTIC
POWER TRANSISTORS

JEDEC TO-126 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR MJE340, MJE350 types are Complementary Silicon Transistors designed for power output stages in consumer product applications.

MAXIMUM RATINGS ($T_C=25^\circ\text{C}$)

	<u>SYMBOL</u>		<u>UNIT</u>
Collector-Base Voltage	V_{CB0}	300	V
Collector-Emitter Voltage	V_{CE0}	300	V
Emitter-Base Voltage	V_{EB0}	3.0	V
Collector Current	I_C	500	mA
Power Dissipation	P_D	20.8	W
Operating and Storage Junction Temperature	T_J, T_{stg}	-65 TO +150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($T_C=25^\circ\text{C}$)

<u>SYMBOL</u>	<u>TEST CONDITIONS</u>	<u>MIN</u>	<u>MAX</u>	<u>UNIT</u>
I_{CB0}	$V_{CB}=300\text{V}$		100	μA
I_{EB0}	$V_{EB}=3.0\text{V}$		100	μA
V_{CE0}	$I_C=1.0\text{mA}$	300		V
h_{FE}	$V_{CE}=10\text{V}, I_C=50\text{mA}$	30	240	

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

Corporate Headquarters & Customer Support Team

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