

# Central<sup>TM</sup> 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	$\mu\text{A}$
$I_{EB0}$	$V_{EB}=3.0\text{V}$		100	$\mu\text{A}$
$V_{CE0}$	$I_C=1.0\text{mA}$	300		V
$h_{FE}$	$V_{CE}=10\text{V}, I_C=50\text{mA}$	30	240	