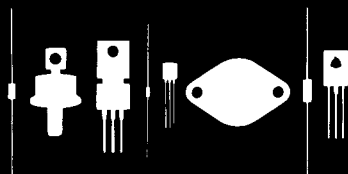


Central
Semiconductor Corp.
Central
Semiconductor Corp.
Central
Semiconductor Corp.
**CentralTM
Semiconductor Corp.**

145 Adams Avenue
Hauppauge, New York 11788



MJE370 PNP
MJE520 NPN

SILICON COMPLEMENTARY
POWER TRANSISTORS

JEDEC TO-126 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR MJE370, MJE520 types are Complementary Silicon Power Transistors designed for use in general purpose amplifier and switching applications.

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

	SYMBOL		UNIT
Collector-Base Voltage	V_{CB0}	30	V
Collector-Emitter Voltage	V_{CE0}	30	V
Emitter-Base Voltage	V_{EB0}	4.0	V
Collector Current	I_C	3.0	A
Collector Current (PEAK)	I_{CM}	7.0	A
Power Dissipation	P_D	25	W
Operating and Storage Junction Temperature	T_J, T_{stg}	-65 TO +150	$^{\circ}\text{C}$
Thermal Resistance	θ_{JC}	5.0	$^{\circ}\text{C}/\text{W}$

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

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
I_{CB0}	$V_{CB}=30\text{V}$		100	μA
I_{EB0}	$V_{EB}=4.0\text{V}$		100	μA
BV_{CE0}	$I_C=100\text{mA}$	30		V
h_{FE}	$V_{CE}=1.0\text{V}, I_C=1.0\text{A}$	25		

CentralTM
Semiconductor Corp.

145 Adams Avenue
Hauppauge, NY 11788 USA
Tel: (631) 435-1110 • Fax: (631) 435-1824
www.centralsemi.com