

## Product Overview

### MC1413: High Voltage, High Current Darlington Transistor Driver Array

For complete documentation, see the data sheet.

The seven NPN Darlington connected transistors in these arrays are well suited for driving lamps, relays, or printer hammers in a variety of industrial and consumer applications. Their high breakdown voltage and internal suppression diodes insure freedom from problems associated with inductive loads. Peak inrush currents to 500 mA permit them to drive incandescent lamps. The MC1413, B with a 2.7 kΩ series input resistor is well suited for systems utilizing a 5.0 V TTL or CMOS Logic.

#### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Number of Drivers	V <sub>CC</sub> Max (V)	V <sub>(BR)GSS</sub> Max (V)	V <sub>(BR)DSS</sub> Max (V)	I <sub>D</sub> Max (A)	r <sub>DS(on)</sub> Max (Ω)	T <sub>J</sub> Max (°C)	Package Type
MC1413BDR2G	0.1743	Pb-free Halide free non AEC-Q and PPAP	Active	7	50	30	50	0.5	4.6	150	SOIC-16
MC1413DR2G	0.2015	Pb-free Halide free non AEC-Q and PPAP	Active	7	50	30	50	0.5	4.6	150	SOIC-16

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