

Product Overview

MC1496: Balanced Modulator and Demodulator

For complete documentation, see the data sheet.

MC1496B was designed for use where the output voltage is a product of an input voltage (signal) and a switching function (carrier). Typical applications include suppressed carrier and amplitude modulation, synchronous detection, FM detection, phase detection, and chopper applications.

Features

- Excellent Carrier Suppression—65 dB typ @ 0.5 MHz –50 dB typ @ 10 MHz
- Adjustable Gain and Signal Handling
- Balanced Inputs and Outputs
- High Common Mode Rejection -85 dB typical

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Function	Control Type	f _s Max (kHz)	Power Dissipation Max (mW)	Supply Voltage Min (V)	Supply Voltage Max (V)	Operating Temp Min (°C)	Operating Temp Max (°C)	Package Type
MC1496DR2G	0.3079	Pb-free Halide free non AEC-Q and PPAP	Active	Modulator/Demodulator	None	80000	33	-	-	0	70	SOIC-14

For more information please contact your local sales support at www.onsemi.com.

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