


Level Translator 3-CH Unidirectional 16-Pin SOIC Bulk

Manufacturer:	MACOM Technology Solutions
Package/Case:	SOP
Product Type:	Logic ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The MADR-009190-000100 is a four channel driver used to translate TTL control inputs into gate control voltages for GaAs FET microwave switches and attenuators. High speed analog CMOS technology is utilized to achieve low power dissipation at moderate to high speeds, encompassing most microwave switching applications. The output HIGH level is optionally 0 to +2.0V (relative to GND) to optimize the intermodulation products of FET control devices at low frequencies. For driving PIN Diode circuits, the outputs are nominally switched between +5V & -5V. The actual driver output voltages will be lower when driving large currents due to the resistance of the output devices.

Key Features

- High Voltage CMOS Technology
- RoHS* Compliant
- Halogen-Free "Green" Mold Compound
- Low Cost Lead-Free SOIC-16 Plastic Package
- Low Power Dissipation
- CMOS device using TTL input levels
- Positive Voltage Control
- Four Channel
- 260°C Reflow Compatible
- Aerospace and Defense
- ISM

Application

- Vcc: 5 V
- Vee: -5 V
- Vdd: 5 V
- ISOURCE: 35 mA
- ISINK: 35 mA
- Propagation Delay: 22 ns
- Rise/Fall Time: 6 nS

Recommended For You

MADR-009443-0001TR

MACOM Technology Solutions

BGA

MADR-007097-000100

MACOM Technology Solutions

SOP

MADR-009269-000100

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SOP-8

MADR-007097-0001TR

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SOIC

MADR-007131-0001TR

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QFN

MADR-011020-TR1000

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MADR-011020-TR1000

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QFN

MADR-010410-TR0500

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BGA

MADR-011022-TR1000

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