



Product Overview

NCV78L05A: Linear Voltage Regulator, Positive, 100 mA

[For complete documentation, see the data sheet](#)

Product Description

The MC78L00A Series of linear voltage regulators are inexpensive, easy-to-use devices suitable for a multitude of applications that require a regulated supply of up to 100 mA. Like their higher powered MC7800 and MC78M00 Series cousins, these regulators feature internal current limiting and thermal shutdown making them remarkably rugged. No external components are required with the MC78L00 devices in many applications.

These linear voltage regulators offer a substantial performance advantage over the traditional zener diode-resistor combination, as output impedance and quiescent current are substantially reduced.

Features

- Wide Range of Available, Fixed Output Voltages
- Low Cost
- Internal Short Circuit Current Limiting
- Internal Thermal Overload Protection
- No External Components Required
- Complementary Negative Regulators Offered (MC79L00 Series)
- Pb-Free Packages are Available

Part Electrical Specifications

Product	Compliance	Status	Output	Polarity	V _O (V)	I _O Typ (A)	V _I Max (V)	V _{DO} Typ (V)	I _a Typ (mA)	PSRR (dB)	Noise (μV _{rms})	Package Type
NCV78L05ABDG	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	5	0.1	30	1.7	3	49	40	SOIC-8
NCV78L05ABDR2G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	5	0.1	30	1.7	3	49	40	SOIC-8
NCV78L05ABPG	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	5	0.1	30	1.7	3	49	40	TO-92
NCV78L05ABPRAG	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	5	0.1	30	1.7	3	49	40	TO-92
NCV78L05ABPREG	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	5	0.1	30	1.7	3	49	40	TO-92
NCV78L05ABPRMG	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	5	0.1	30	1.7	3	49	40	TO-92
NCV78L05ABPRPG	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	5	0.1	30	1.7	3	49	40	TO-92

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

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