

LDO Regulator 2A 8-Pin SOP EP**Manufacturer:** [Richtek Technology Corporation](#)**Package/Case:** SOP-8**Product Type:** Power Management ICs**RoHS:** RoHS Compliant/Lead free **Lifecycle:** Active

Images are for reference only

[Inquiry](#)**General Description**

The RT9173/A regulator is designed to convert voltage supplies ranging from 1.6V to 6V into a desired output voltage which adjusted by two external voltage divider resistors. The regulator is capable of sourcing or sinking up to 3A of peak current while regulating an output voltage to within 2% (DDR 1) and 3% (DDR 2) or less. The RT9173/A, used in conjunction with series termination resistors, provides an excellent voltage source for active termination schemes of high speed transmission lines as those seen in high speed memory buses and distributed backplane designs. The voltage output of the regulator can be used as a termination voltage for DDR SDRAM. Current limits in both sourcing and sinking mode, plus on-chip thermal shutdown make the circuit tolerant of the output fault conditions.

Application

Notebooks

Motherboards



Recommended For You

RT9026GFP

Richtek Technology Corporation

MSOP-10

RT9026GSP

Richtek Technology Corporation

SOP-8

RT9199GSP

Richtek Technology Corporation

SOP8

RT1720GF

Richtek Technology Corporation

MSOP10

RT9026GQW

Richtek Technology Corporation

QFN

RT9040GQW

Richtek Technology Corporation

QFN

RT9045GSP

Richtek Technology Corporation

SOP-8

RT9992ZQW

Richtek Technology Corporation

WQFN-32

RT9174GS

Richtek Technology Corporation

SOP-8

RT9199GS

Richtek Technology Corporation

SOP-8

RT5028AGQW

Richtek Technology Corporation

QFN

RT9174PS

Richtek Technology Corporation

SOP-8

RT5112HWSC

Richtek Technology Corporation

WLCSP-25

RT9089AGQW(2)

Richtek Technology Corporation

WDFN-10

RT1650WSC

Richtek Technology Corporation

WLCSP48