


Dual-Slew-Rate 3Gbps QFP

Manufacturer:	Semtech Corporation
Package/Case:	QFN16
Product Type:	Communication & Networking ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active

GS2989-INE3 Image

Images are for reference only

[Inquiry](#)

General Description

The GS2989 is a SMPTE-compatible, quad-output cable driver which supports data rates from 270Mb/s to 2.97Gb/s. The GS2989 is a high-speed BiCMOS integrated circuit designed to drive one to four 75Ω coaxial cables.

Key Features

SMPTE 424M, SMPTE 292M and SMPTE 259M compliant

Quad output

Input signal trace equalization

Supports DVB-ASI at 270Mb/s

Supports data rates from 270Mb/s to 2.97Gb/s

Wide common-mode range input buffer

100mV sensitivity

Supports DC coupling to industry-standard differential logic

On-chip 100 Ω differential data input termination

Dual differential coaxial-cable-driving outputs

Selectable slew rates

Adjustable output swing from 500mVpp to 1800mVpp

Independent DISABLE controls for each output

Robust output signal presence function

Excellent output eye quality

Power supply operation at 3.3V or 2.5V

125mW power consumption (2.5V supply)

Operating temperature range: -40°C to +85°C

Small footprint QFN package (4mm x 4mm)

New dual-output pin out

Use the GS2988 for a single-output variant that is drop-in compatible to the GS2978

Pb-free and RoHS compliant

Application

Audio De-embedders

Audio Embedders

Camera

Camera Control Units

Distribution Amplifiers

Encoders/Decoders

Format Detectors

Master Control Switchers

Monitors

Multiviewers

Production Switchers

Routers

SMPTE 424M, SMPTE 292M and SMPTE 259M coaxial cable serial digital interfaces

Test and Measurement Equipment

Up/Down/Cross Converters

Video Capture Cards

Video Servers

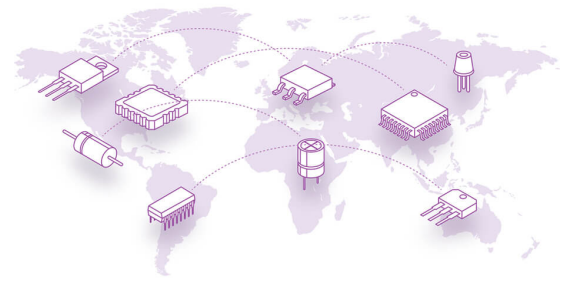
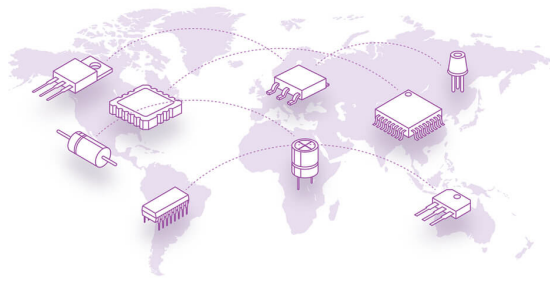
Video Tape Recorders

Order Codes

GS2989-INE3: Lead-Free, RoHS Compliant, Tray-490 Pieces

GS2989-INTE3: Lead-Free, RoHS Compliant, Tape and Reel-250 Pieces

GS2989-INTE3Z: Lead-Free, RoHS Compliant, Tape and Reel-2500 Pieces



Recommended For You

GS2988-INE3

Semtech Corporation

QFN

GS2962-IBE3

Semtech Corporation

BGA

GS2970-IBE3

Semtech Corporation

BGA

GS2971AIBE3

Semtech Corporation

BGA

GS1578ACNE3

Semtech Corporation

QFN

GS2972-IBE3

Semtech Corporation

BGA100

GS1661AIBE3

Semtech Corporation

BGA100

GS12281-INE3

Semtech Corporation

QFN40

GS12070-IBE3

Semtech Corporation

BGA196

GS1559-CBE2

Semtech Corporation

BGA

GS2965-INE3

Semtech Corporation

QFN

GS2961-IBE3

Semtech Corporation

BGA

GS2971-IBE3

Semtech Corporation

BGA

GS6151-INIE3

Semtech Corporation

32-VFQFN

GS2960-IBE3

Semtech Corporation

BGA100