

### FEATURES

- **SMPTE 259M-C compliant**
- **dual coaxial cable driving outputs**
- **50Ω differential PECL input**
- **single 3.3V power supply operation**
- **space-saving 8-lead SOIC**
- **operating temperature range: 0°C to 70°C**
- **pin compatible with GS1528 HD-LINX™ II multirate SDI dual slew-rate cable driver**

### APPLICATIONS

- SMPTE 259M-C Coaxial Cable Serial Digital Interfaces

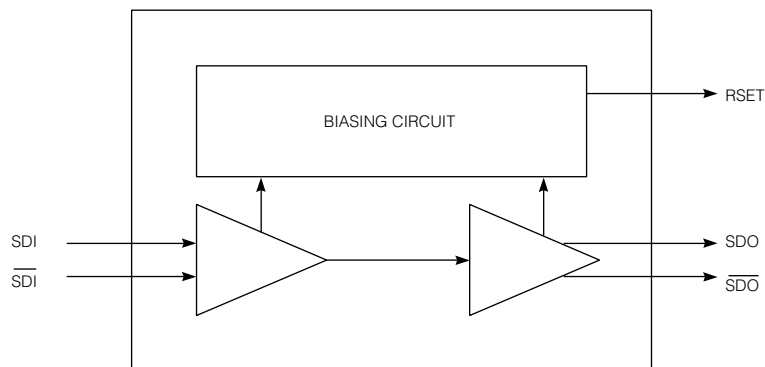
### CIRCUIT DESCRIPTION

The GS9068 is a second-generation high-speed bipolar integrated circuit designed to drive one or two 75Ω co-axial cables at 270Mb/s. The GS9068 implements two selectable slew rates in order to achieve compliance to both SMPTE 259M-C.

The GS9068 accepts a LVPECL level differential input, which may be AC coupled. External biasing resistors at the inputs are not required.

### ORDERING INFORMATION

PART NUMBER	PACKAGE	TEMPERATURE
GS9068-CKA	8 pin SOIC	0°C to 70°C



FUNCTIONAL BLOCK DIAGRAM