

# IQSDA33

## 3G/HD/SD-SDI Fan-out Distribution Amplifier

The IQSDA33 is a fan-out distribution amplifier for HD-SDI 3 Gbit/s, 1.5 Gbit/s or 270 Mbit/s SD-SDI signals providing 7 equalized outputs of the input in a single width package.

### Features

- 3G-HD, HD-SDI, SD-SDI and wide-band distribution amplifier
- Equalizes SDI signals from 270 Mbit/s up to 3 Gbit/s

### Why should you choose this module?

- Space efficient design with 7 outputs of the input in single width, allowing 16 modules in 3RU or 4 in 1RU
- Suitable for local fan out distribution applications

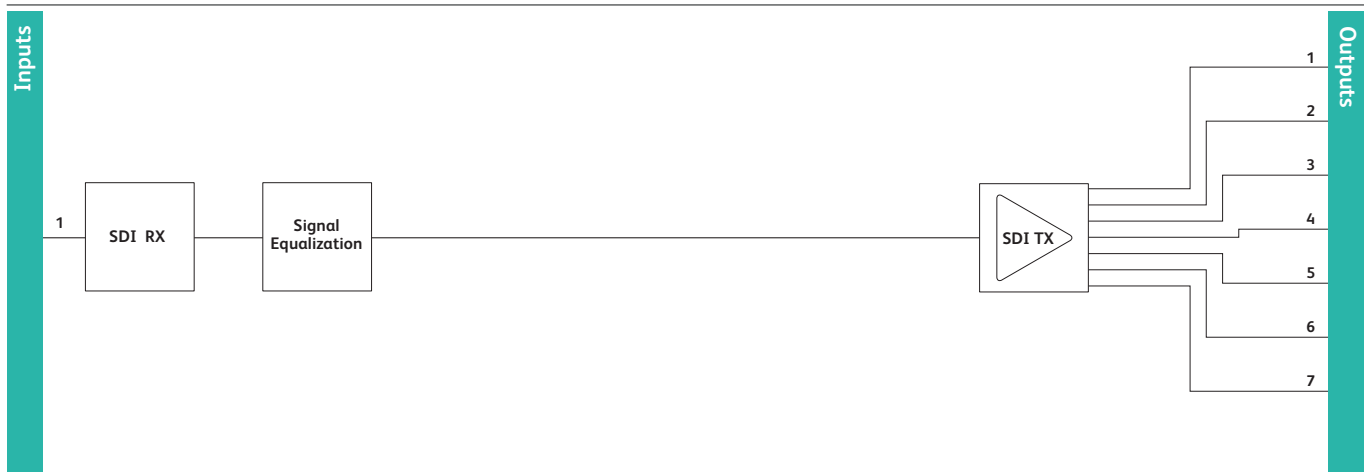
### Order codes



#### **IQSDA3347-1A3, IQSDA3347-1B3**

HD/SD-SDI Fan-out Distribution Amplifier.  
1 input, 7 outputs.

For more details on enclosure types please refer to Frames and Hardware section.



Block Diagram for IQSDA3347-1A3

## Technical Specification

### Inputs and Outputs

#### Signal Input

HD / SD-SDI input 1 x  
Input cable length Up to 250m Belden 1694A @ 270 Mbit/s  
Up to 100m Belden 1694A @ 1.5 Gbit/s  
Recommended for local fan out distribution only at 3 Gbit/s

#### Signal Outputs

HD / SD-SDI outputs x 7

### Controls

#### Indicators

Power OK (Green)

#### Card Edge Controls

Slew rate switch SD/HD

#### RollCall Functions

N/A

### Specifications

#### Electrical

1.5Gbit/s HD-SDI, SMPTE 292M

270 Mbit/s SDI, SMPTE 259M-C

#### Connector / format

BNC/ 75ohm panel jack on standard SAM connector panel

#### Return loss

>-15dB (270Mbit/s, 1.5Gbit/s)

>-10dB (3Gbit/s)

### Power Consumption

#### Module power

#### consumption

3 W Max (A Frames)

3 PR (B Frames)