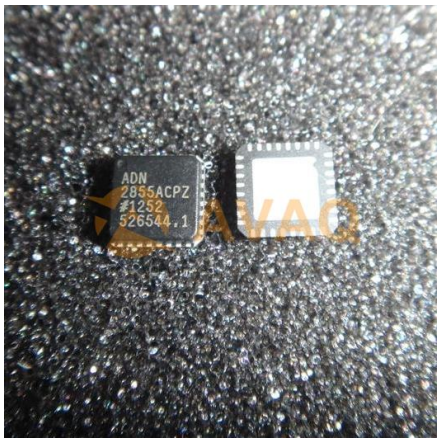
ADN2855ACPZ

CDR 3.3V 32-Pin LFCSP EP Tray

Manufacturer:	Analog Devices, Inc
Package/Case:	LFCSP32
Product Type:	Clock & Timer ICs
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

The ADN2855 is a burst mode clock and data recovery IC designed for GPON/BPON/GEPON optical line terminal (OLT) receiver applications. The part can operate at 155.52 Mbps, 622.08 Mbps, 1244.16 Mbps, or 1250.00 Mbps data rates, selectable via the I2C interface.

The ADN2855 frequency locks to the OLT reference clock and aligns to the input data within 12 bits of the start of the preamble. The device provides a full rate or an optional half rate output clock for a double data rate (DDR) interface to an FPGA or digital ASIC.

All specifications are quoted for −40°C to +85°C ambient temperature, unless otherwise noted. The ADN2855 is available in a compact 5 mm × 5 mm, 32-lead chip scale package.

Key Features

Serial data input

155.52 Mbps/622.08 Mbps/1244.16 Mbps/1250.00 Mbps

12-bit acquisition time

4-bit parallel LVDS output interface

Patented dual-loop clock recovery architecture

Integrated PRBS generator

Byte rate reference clock

Loss-of-lock indicator

Supports double data rate (DDR)-compatible FPGA

I2C interface to access optional features

Single-supply operation: 3.3 V

Power

670 mW typical in serial output mode

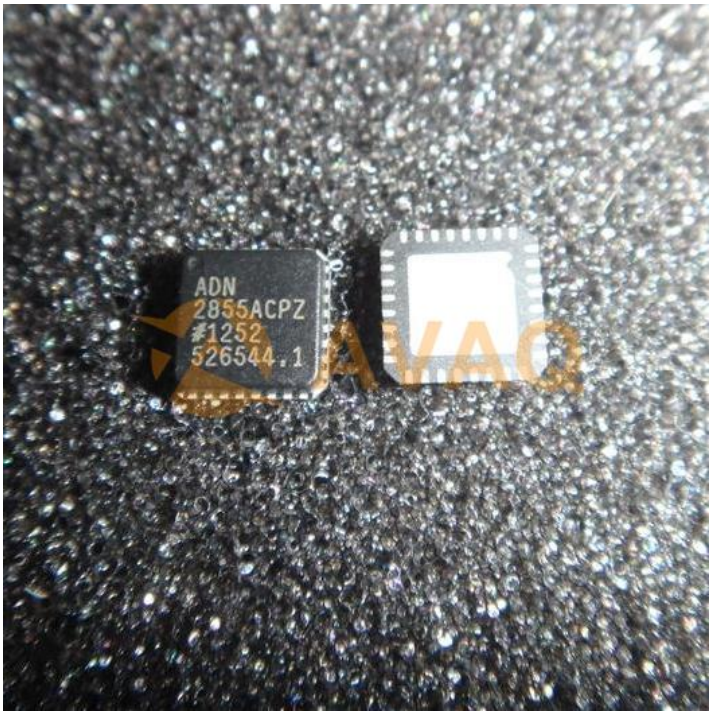
825 mW typical in deserializer mode

5 mm × 5 mm, 32-lead LFCSP

Application

Passive optical networks

GPON/BPON/GEPON OLT receivers



Recommended For You

AD9517-3ABCPZ

Analog Devices, Inc

QFN

AD9954YSV

Analog Devices, Inc

QFP

ADCLK914BCPZ-WP

Analog Devices, Inc

LFCSP-16

AD7008JP50

Analog Devices, Inc

PLCC44

AD9952YSV

Analog Devices, Inc

QFP

AD9516-3BCPZ

Analog Devices, Inc

QFN

ADCLK944BCPZ-R2

Analog Devices, Inc

LFCSP16

AD9577BCPZ

Analog Devices, Inc

LFCSP-40

AD9543BCPZ

Analog Devices, Inc

LFCSP-48

AD9853AS

Analog Devices, Inc

QFP

ADN2805ACPZ

Analog Devices, Inc

LFCSP

AD9515BCPZ-REEL7

Analog Devices, Inc

LFCSP-32

ADN2807ACPZ

Analog Devices, Inc

48-LFCSP

AD9520-4BCPZ

Analog Devices, Inc

LFCSP

AD9831AST

Analog Devices, Inc

QFP