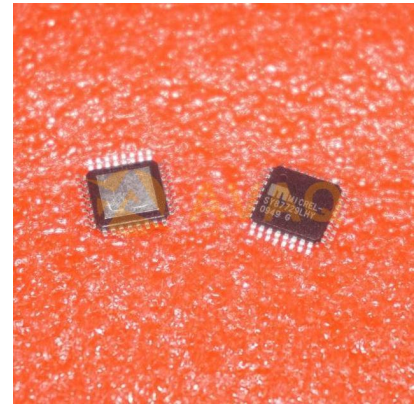


Clock Generator 27MHz-IN 365MHz-OUT 32-Pin TQFP EP Tray



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: QFP32

Product Type: Clock & Timer ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The SY87729L is a complete rate independent frequency synthesizer integrated circuit. From a single reference source, this device generates a differential PECL reference frequency for Micrel's SY87721L 10Mbps to 2.7Gbps combined CDR and CMU. The SY87729L generates an exactly correct reference frequency for common data transport protocols. This is especially important in transponder applications, where a standards compliant protocol data unit must be generated downstream, even in the absence of any signal from the associated upstream interface. In addition, SY87729L will generate exactly correct reference frequencies for common data transport protocols augmented by forward error correction codes. For proprietary applications, the SY87729L generates reference frequencies guaranteed to enable the SY87721L CDR to lock to any possible baud rate in its range. SY87729L accepts configuration via a MicroWire™ interface.

Key Features

Fractional synthesizer from 10MHz to 365MHz from a single 27MHz reference oscillator

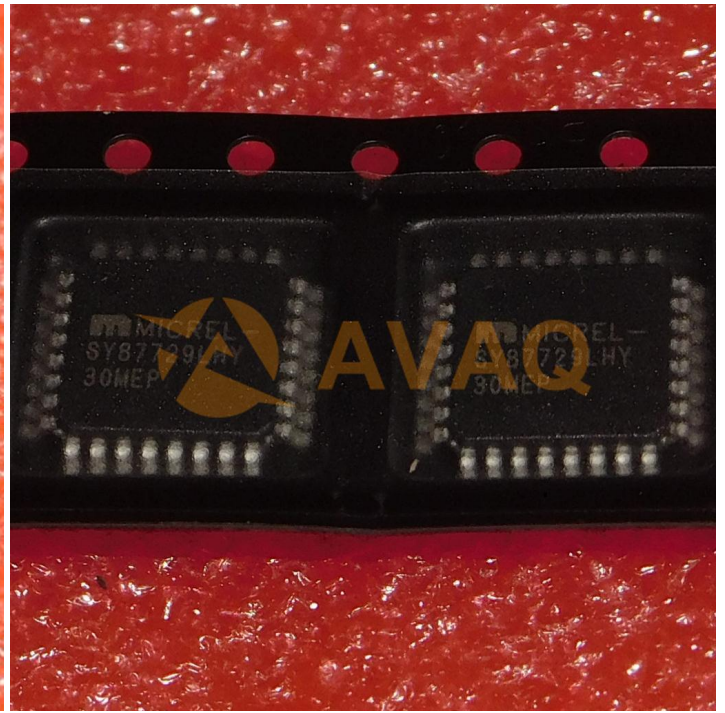
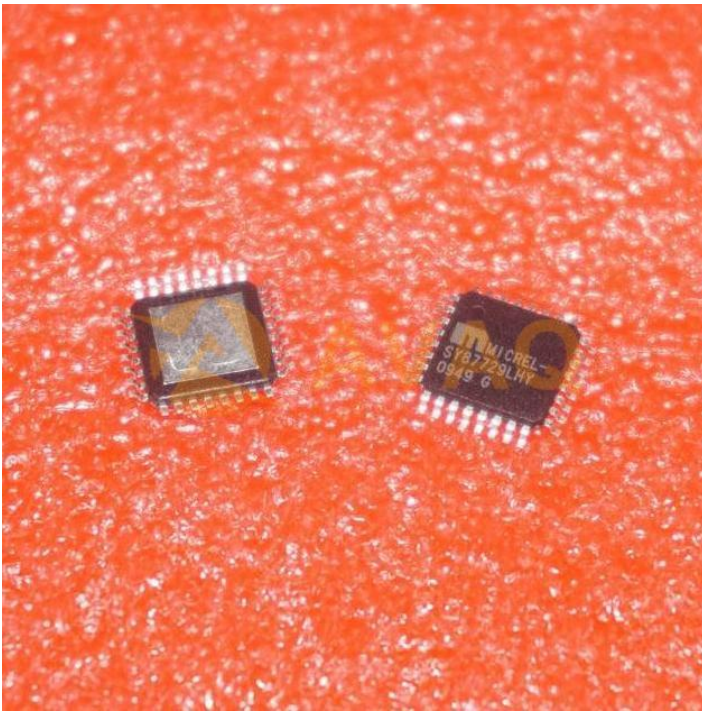
Generates exactly the correct frequency for common transport protocols with or without FEC

Directly enables SY87721L to lock onto any data rate within its range

Exceeds BellCore and ITU jitter generation specifications

Programmable via MicroWire™ interface

Available in 32-Pin EPAD-TQFP package



Recommended For You

SY87701ALHG

Microchip Technology, Inc

TQFP32

SY89296UMG

Microchip Technology, Inc

VQFN

SY89297UMG

Microchip Technology, Inc

QFN24

SY89295UMG

Microchip Technology, Inc

QFN

SY89874UMG

Microchip Technology, Inc

QFN

SY87700ALHG

Microchip Technology, Inc

QFP32

SY87739LHY

Microchip Technology, Inc

TQFP32

SY100EL34ZG

Microchip Technology, Inc

SOP16

SY89202UMG

Microchip Technology, Inc

QFN

SY89876LMG

Microchip Technology, Inc

QFN

SY100EP196VTG

Microchip Technology, Inc

TQFP32

SY89831UMG

Microchip Technology, Inc

QFN

SY89833ALMG

Microchip Technology, Inc

16-VQFN

SY89297UMH

Microchip Technology, Inc

VQFN

SY87721LHG

Microchip Technology, Inc

64-TQFP