



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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8792502AKILF

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DESCRIPTION

2 OUT LVPECL LVDS FREQ TRANSLATOR

The ICS8792502I is a programmable two output device that can either provide LVDS or LVPECL output levels. This frequency translator can convert Ethernet frequencies to SONET frequencies and SONET frequencies to Ethernet frequencies. It is a member of the HiPerClockS™ family of High Performance Clock Solutions from IDT. ICS8792502I can accept 19.44MHz, 25MHz, 62.5MHz, 77.76MHz, 155.52MHz, 156.25MHz, 311.04MHz, 312.5MHz, 622.08MHz or 625MHz frequencies and convert them to any other frequency in the list. Fully differential architecture and low phase noise make it ideal for use in Networking applications.

Features

- High-speed SONET to Ethernet and Ethernet to SONET frequency converter
- Two differential LVPECL or LVDS output pairs
- Selectable crystal or differential clock inputs
- Maximum output frequency: 625MHz
- RMS phase jitter @ 155.52MHz (12kHz – 20MHz): TBD
- Full 3.3V or 2.5V supply modes
- 40°C to 85°C ambient operating temperature
- Available in both standard (RoHS 5) and lead-free (RoHS 6) packages Table

Generic Part:

8792502I

Category:

[Zero Delay Buffers \(PLL\)](#)

PARAMETERS

| | |
|------------------------------|-----------------------|
| Package | VFQFPN 32 |
| Voltage | 3.3 V |
| Temperature | I |
| Speed | NA |
| Divide Value | (19.44 ÷ 25) * M/N |
| Input Style | Xtal |
| Max. Input Frequency | 627.9355 |
| Min. Input Frequency | 19.3466 |
| No. of Outputs | 2 |
| Output Frequency | 625 |
| Output Style | LVPECL or LVDS |
| Core Supply Voltage (VDD) | |
| Min. Output Frequency | |
| Output Supply Voltage (VDDO) | |
| No. of Inputs | |
| Max. Output Frequency | |
| Temp. Grade | |
| Multiplication/Divide Value | |

PACKAGE

| | |
|----------------------------------|----------------------------------|
| Package | VFQFPN 32 (NLG32) |
| Description | VFQFP-N 5 X 5 X 1.0MM NO LEAD |
| Status | Active |
| Class | PLASTIC |
| Category | Green |
| Pb (Lead) Free | Yes |
| Pb Free Category | e3 Sn |
| Mark | K |
| Package Type | VFQFPN |
| Lead Count | 32 |
| Length | 5.0 mm |
| Width | 5.0 mm |
| Thickness | 1.0 mm |
| Pitch | 0.5 mm |
| Tube / Tray | TRAY |
| Quantity per Tube/Tray | 490 |
| Quantity per Reel | 2500 |
| Moisture Sensitivity Level (MSL) | 3 |
| Moisture Exposure | 168 hrs@<30C/60% |

Floor Life RH
Peak Reflow Temperature 260°C
Rebake Conditions 48hrs@125C
Related Package Documents [view documents](#)

DISTRIBUTOR INVENTORY

| Part | Distributor | Qty | Date | RFQ | Order |
|------|-------------|-----|------|-----|-------|
|------|-------------|-----|------|-----|-------|

No matches found.

CONTACTS

Sales Offices

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Technical Support

Clock Help

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