

VHD1900EVG

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DESCRIPTION

SL900

The IDT HQV® Vida™ video processor is the first fully integrated advanced video processing IC, and sets the standard in high quality video processing performance that enhances the user's viewing experience. The powerful compression noise reduction and video processing technology, IDT HQV StreamClean™, extracts block and mosquito noise from lower quality sources, providing on-the-fly clean up of highly compressed video content. These features and more are provided in the smallest video processing form factor available.

Designed to retain all of the nuance, detail and intent of the original source, the Vida processor is perfect for use in:

- Blu-ray Disc players
- Audio/Video receivers (AVRs)
- Personal video recorders (PVRs)
- Digital TVs
- Set-top boxes
- Digital media adaptors

Generic Part:

VHD1900

Category:

Vida™ Video Processor

PARAMETERS

Input Type	TTL
Input Speed	165 MHz
Output Type	TTL
Output Speed	165 MHz
Package	TQFP 128
Temperature	C

PACKAGE

Package	TQFP 128 (EVG128)
Description	TQFP 14 X 14 X 1.0MM EXPOSED PAD
Status	Active
Class	PLASTIC
Category	Green
Pb (Lead) Free	Yes
Pb Free Category	e3 Sn
Mark	EVG
Package Type	TQFP
Lead Count	128
Length	14.0 mm
Width	14.0 mm
Thickness	1.0 mm
Pitch	0.5 mm
Tube / Tray	TRAY
Quantity per Tube/Tray	90
Quantity per Reel	750
Moisture Sensitivity Level (MSL)	3
Moisture Exposure Floor Life	168 hrs@<30C/60% RH
Peak Reflow Temperature	260°C
Rebake Conditions	48hrs@125C
Related Package Documents	view documents

DOCUMENTS

Type	Title	Size	Revision Date
Flyer	IDT Design Tip: What is Video Noise?	567 KB	03/26/2010
	IDT Design Tip: Why Do Large HDTV Displays Still Have Poor Image Quality?	232 KB	03/26/2010
	IDT HQV Vida Flyer	331 KB	08/28/2009

DISTRIBUTOR INVENTORY

Part	Distributor	Qty	Date	RFQ	Order
VHD1900EVG	ARROW ELECTRONICS	100	07/12/2010	Quote	Buy Now

CONTACTS

Sales Offices

- Sales Offices and authorized distributors

Technical Support

- Display / Video Solutions
- Email: videohelp@idt.com