

Image may be representation.  
See specifications for product details.



## MAX9744ETH+T

Manufacturer Part Number	<b>MAX9744ETH+T</b>
Manufacturer	<b>Maxim Integrated</b>
Allelco Part Number	32D-MAX9744ETH+T
ECAD Model	Request Free CAD Models
Parts Description	IC AMP CLASS D STER 22.5W 44TQFN
Package	44-WFQFN Exposed Pad
Data sheet	MAX9744ETH+T.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MAX9744ETH+T - Analog Devices Inc./Maxim Integrated.New Original in Stock. Download Linear Technology MAX9744ETH+T datasheet/specifications on AllelcoElec.com.  
Request a quote for MAX9744ETH+T, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MAX9744ETH+T Tech Specifications  
MAX9744ETH+T - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Maxim Integrated	Output Type	2-Channel (Stereo)
Voltage - Supply	4.5V ~ 14V	Operating Temperature	-40°C ~ 85°C (TA)
Type	Class D	Mounting Type	Surface Mount
Supplier Device Package	44-TQFN (7x7)	Max Output Power x Channels @ Load	22.5W x 2 @ 40hm
Series	-	Features	Depop, Mute, Short-Circuit and Thermal Protection, Shutdown, Volume Control
Package / Case	44-WFQFN Exposed Pad	Base Product Number	MAX9744
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated MAX9744ETH+T

Product Attribute				
Part Number	MAX9744ETH+T	MAX9750CETI+T	MAX9736DETJ+T	MAX9741ETN+T
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Series	-	DirectDrive®	-	-
Type	Class D	Class AB	Class D	Class D
Base Product Number	MAX9744	MAX9750	MAX9736	MAX9741
Output Type	2-Channel (Stereo)	2-Channel (Stereo) with Stereo Headphones	1-Channel (Mono) or 2-Channel (Stereo)	2-Channel (Stereo)
Supplier Device Package	44-TQFN (7x7)	28-TQFN (5x5)	32-TQFN (5x5)	56-TQFN (8x8)
Max Output Power x Channels @ Load	22.5W x 2 @ 40hm	2.2W x 2 @ 30hm; 110mW x 2 @ 160hm	17mW x 1 @ 40hm; 8.5mW x 2 @ 80hm	12W x 2 @ 80hm
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Package / Case	44-WFQFN Exposed Pad	28-WFQFN Exposed Pad	32-WFQFN Exposed Pad	56-WFQFN Exposed Pad
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Features	Depop, Mute, Short-Circuit and Thermal Protection, Shutdown, Volume Control	Depop, Short-Circuit and Thermal Protection, Shutdown, Volume Control	Depop, Mute, Short-Circuit and Thermal Protection, Shutdown	Depop, Differential Inputs, Mute, Short-Circuit and Thermal Protection, Shutdown
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Voltage - Supply	4.5V ~ 14V	4.5V ~ 5.5V	8V ~ 28V	10V ~ 25V

### MAX9744ETH+T Datasheet PDF

Download MAX9744ETH+T pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for MAX9744ETH+T - Analog Devices Inc./Maxim Integrated.

### Environmental Information

Maxim Integrated REACH.pdf

Maxim Integrated RoHS Cert.pdf

### Part Numbering Guide

Part Numbering System.pdf

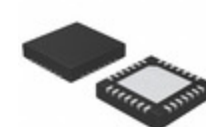
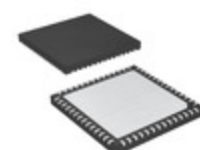
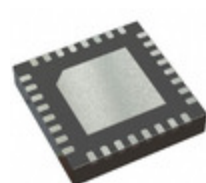
### Application Notes

Class D Amplifiers: Fundamentals of Operation and .pdf

Overview of 2.1 (Satellite/Subwoofer) Speaker Syst.pdf

### Customers Also Interested in

#### Recommended Products



**MAX9750CE**  
Analog Devices / Maxim Integrated

**MAX9750CETI+T**  
Analog Devices Inc./Maxim Integrated  
IC AMP CLASS AB STER 2.2W 28TQFN

**MAX9736DETJ+T**  
Analog Devices Inc./Maxim Integrated  
IC AMP D MONO/STEREO 17MW 32TQFN

**MAX9741ETN+T**  
Analog Devices Inc./Maxim Integrated  
IC AMP CLASS D STEREO 12W 56TQFN

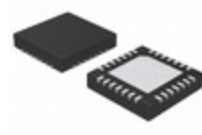
**MAX9750AETI+T**  
Analog Devices Inc./Maxim Integrated  
IC AMP CLASS AB STER 2.6W 28TQFN

**MAX973ESA**  
Analog Devices Inc./Maxim Integrated  
IC COMPARATOR 2 W/VOLT REF 8SOIC



### MAX973ESA+

Analog Devices Inc./Maxim Integrated  
IC COMPARATOR 2 W/VOLT REF  
8SOIC



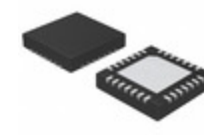
### MAX974CSE

Analog Devices / Maxim Integrated



### MAX9750AETI+

Analog Devices Inc./Maxim Integrated  
IC AMP CLASS AB STER 2.6W  
28TQFN



### MAX973CSA

Analog Devices Inc./Maxim Integrated  
IC COMPARATOR 2 W/VOLT REF  
8SOIC

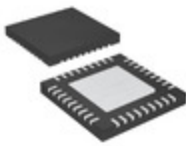


### MAX9750CETI+C2U

Analog Devices Inc./Maxim Integrated  
IC AMP CLASS AB STER 2.2W  
28TQFN

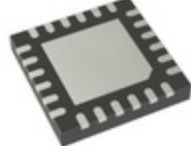
### MAX9750CETI

Analog Devices / Maxim Integrated



### MAX9742ETX+T

Analog Devices Inc./Maxim Integrated  
IC AMP CLASS D STER 20.5W  
36TQFN



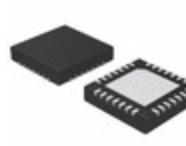
### MAX9737ETG+T

Analog Devices Inc./Maxim Integrated  
IC AMP CLASS D MONO 13W  
24TQFN



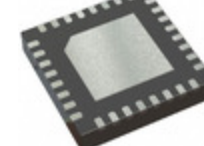
### MAX9736BETJ+T

Analog Devices Inc./Maxim Integrated  
IC AMP D MONO/STEREO 15W  
32TQFN



### MAX9750CETI+

Analog Devices Inc./Maxim Integrated  
IC AMP CLASS AB STER 2.2W  
28TQFN



### MAX9736DETJ+

Analog Devices Inc./Maxim Integrated  
IC AMP D MONO/STEREO 17MW  
32TQFN



### MAX9750AETI

Analog Devices / Maxim Integrated

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

### Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

## Payment Support

The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,  
PayPal.



## Your Faithful Supply Chain Partner -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

## Certifications & Memberships



View More



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