



Image may be representation.  
See specifications for product details.



## ICL7660ESA+

Manufacturer Part Number	<b>ICL7660ESA+</b>
Manufacturer	<b>Maxim Integrated</b>
Allelco Part Number	32D-ICL7660ESA+
ECAD Model	Request Free CAD Models
Parts Description	IC REG CHARG PUMP INV 20MA 8SOIC
Package	8-SOIC (0.154', 3.90mm Width)
Data sheet	<b>MAX1044/ICL7660.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ICL7660ESA+ - Analog Devices Inc./Maxim Integrated.New Original in Stock. Download Linear Technology ICL7660ESA+ datasheet/specifications on AllelcoElec.com.  
Request a quote for ICL7660ESA+, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ICL7660ESA+ Tech Specifications  
ICL7660ESA+ - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Maxim Integrated	Package	Tube
Voltage - Output (Min/Fixed)	-Vin, nVin, Vin/2	Output Type	Fixed
Voltage - Output (Max)	-	Output Configuration	Positive or Negative
Voltage - Input (Min)	1.5V	Operating Temperature	-40°C ~ 85°C (TA)
Voltage - Input (Max)	10V	Number of Outputs	1
Topology	Charge Pump	Mounting Type	Surface Mount
Synchronous Rectifier	No	Function	Ratiometric
Supplier Device Package	8-SOIC	Frequency - Switching	10kHz
Series	-	Current - Output	20mA
Package / Case	8-SOIC (0.154', 3.90mm Width)	Base Product Number	ICL7660

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated ICL7660ESA+

Product Attribute				
Part Number	ICL7660ESA+	ICL7660SCBA	ICL7660CSA+T	ICL7660ESA-T
Manufacturer	Analog Devices Inc./Maxim Integrated	Intersil	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Supplier Device Package	8-SOIC	8-SOIC	8-SOIC	8-SOIC
Synchronous Rectifier	No	No	No	No
Output Type	Fixed	Fixed	Fixed	Fixed
Voltage - Output (Min/Fixed)	-Vin, nVin, Vin/2	-Vin, 2Vin	-Vin, nVin, Vin/2	-Vin, nVin, Vin/2
Package / Case	8-SOIC (0.154', 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154', 3.90mm Width)	8-SOIC (0.154', 3.90mm Width)
Voltage - Output (Max)	-	-	-	-
Output Configuration	Positive or Negative	Positive or Negative	Positive or Negative	Positive or Negative
Base Product Number	ICL7660	-	ICL7660	ICL7660
Voltage - Input (Max)	10V	12V	10V	10V
Package	Tube	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	-40°C ~ 85°C (TA)	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)
Voltage - Input (Min)	1.5V	1.5V	1.5V	1.5V
Number of Outputs	1	1	1	1
Series	-	-	-	-
Function	Ratiometric	Ratiometric	Ratiometric	Ratiometric
Current - Output	20mA	-	20mA	20mA
Topology	Charge Pump	Charge Pump	Charge Pump	Charge Pump
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Frequency - Switching	10kHz	10kHz ~ 35kHz	10kHz	10kHz

### ICL7660ESA+ Datasheet PDF

Download ICL7660ESA+ pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for ICL7660ESA+ - Analog Devices Inc./Maxim Integrated.

#### Datasheets

[MAX1044/ICL7660.pdf](#)

#### Environmental Information



















[Maxim Integrated RoHS Cert.pdf](#)

[Material Declaration ICL7660ESA+.pdf](#)

#### Application Notes

## Customers Also Interested in

### Recommended Products

 <b>ICL7660ISA-T</b> Analog Devices / Maxim Integrated	 <b>ICL7660SCBA</b> Intersil SWITCHED CAPACITOR CONVERTER	 <b>ICL7660CSA+T</b> Analog Devices Inc./Maxim Integrated IC REG CHARG PUMP INV 20MA 8SOIC	 <b>ICL7660ESA-T</b> Analog Devices Inc./Maxim Integrated IC REG CHARG PUMP INV 20MA 8SOIC	 <b>ICL7660CSA-TG068</b> Analog Devices / Maxim Integrated	 <b>ICL7660CSA</b> Analog Devices Inc./Maxim Integrated IC REG CHARG PUMP INV 20MA 8SOIC
 <b>ICL7660CSA+</b> Analog Devices Inc./Maxim Integrated IC REG CHARG PUMP INV 20MA 8SOIC	 <b>ICL7660ISA+</b> Analog Devices Inc./Maxim Integrated IC REG CHARG PUMP INV 20MA 8SOIC	 <b>ICL7660EPA+</b> Analog Devices Inc./Maxim Integrated IC REG CHARGE PUMP INV 20MA 8DIP	 <b>ICL7660ISA+T</b> Analog Devices Inc./Maxim Integrated IC REG CHARG PUMP INV 20MA 8SOIC	 <b>ICL7660ISA</b> Analog Devices / Maxim Integrated	 <b>ICL7660M/TR</b> HGSEMI
 <b>ICL7660SCBA</b> Harris Corporation SWITCHED CAPACITOR CONVERTER	 <b>ICL7660ESA+T</b> Analog Devices Inc./Maxim Integrated IC REG CHARG PUMP INV 20MA 8SOIC	 <b>ICL7660CS</b> Analog Devices / Maxim Integrated	 <b>ICL7660ESA</b> Analog Devices Inc./Maxim Integrated IC REG CHARG PUMP INV 20MA 8SOIC	 <b>ICL7660EPA</b> Analog Devices Inc./Maxim Integrated SWITCHED-CAP VOLTAGE CONVERTER	 <b>ICL7660MTV</b> HAR

## 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
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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
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### Certifications & Memberships



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