





IDT (Integrated Device Technology)

Technology)




DAC1653D1G5NLGA8

|                     |  |
|---------------------|--|
| Part Number:        | DAC1653D1G5NLGA8   |
| Manufacturer/Brand: | IDT (Integrated Device Technology)   |
| Product description | IC DAC 16BIT DL 1.5GSPS 56VFQFPN   |
| Datasheets:         |  <a href="#">DAC1653D1G5NLGA8.pdf</a> |
| RoHS Status         |  Lead free / RoHS Compliant           |
| Ship From           | Hong Kong  |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS  |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.













Specifications of DAC1653D1G5NLGA8

|                                  |  |
|----------------------------------|--|
| PART NUMBER                      | DAC1653D1G5NLGA8   |
| MANUFACTURER                     | IDT (Integrated Device Technology)   |
| DESCRIPTION                      | IC DAC 16BIT DL 1.5GSPS 56VFQFPN   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant   |
| DATA SHEET                       |  <a href="#">DAC1653D1G5NLGA8.pdf</a> |
| VOLTAGE - SUPPLY, DIGITAL        | 1.14 V ~ 1.26 V  |
| VOLTAGE - SUPPLY, ANALOG         | 1.14 V ~ 1.26 V, 2.7 V ~ 3.45 V  |
| SUPPLIER DEVICE PACKAGE          | 56-VFQFPN (8x8)  |
| SETTLING TIME                    | 20ns (Typ)   |
| SERIES                           | -  |
| REFERENCE TYPE                   | External, Internal   |
| PACKAGING                        | Tape & Reel (TR)   |
| PACKAGE / CASE                   | 56-VFQFN Exposed Pad   |
| OUTPUT TYPE                      | Current - Unbuffered   |
| OTHER NAMES                      | IDTDAC1653D1G5NLGA8<br>IDTDAC1653D1G5NLGA8-ND  |
| OPERATING TEMPERATURE            | -40°C ~ 85°C   |
| NUMBER OF D/A CONVERTERS         | 2  |
| NUMBER OF BITS                   | 16   |
| MOUNTING TYPE                    | Surface Mount  |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)  |
| MANUFACTURER STANDARD LEAD TIME  | 17 Weeks   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant   |
| INL/DNL (LSB)                    | -  |
| DIFFERENTIAL OUTPUT              | Yes  |
| DETAILED DESCRIPTION             | 16 Bit Digital to Analog Converter 2 56-VFQFPN (8x8)   |
| DATA INTERFACE                   | JESD204B   |
| ARCHITECTURE                     | Oversampling Interpolating DAC   |

Related Tags

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| IDT, Integrated Device Technology Inc<br>DAC1653D1G5NLGA8 | Integrated Device Technology (IDT)<br>DAC1653D1G5NLGA8 |  |

Related Products

|   |  |
|---|--|
|  <div>DAC1653Q1G5-DB</div> <div>Manufacturers: IDT (Integrated Device Technology)<br/>Description: BOARD DEMO FOR DAC1653Q1G5<br/>In stock: 202 pcs</div> <div>RFQ</div>          |  <div>DAC1654D1G25NAGA8</div> <div>Manufacturers: IDT (Integrated Device Technology)<br/>Description: IC DAC 16BIT HLA<br/>In stock: 2201 pcs</div> <div>RFQ</div>                  |
|  <div>DAC1653D1G0NLGA</div> <div>Manufacturers: IDT (Integrated Device Technology)<br/>Description: IC DAC 16BIT DL 1GSPS 56VFQFPN<br/>In stock: 2743 pcs</div> <div>RFQ</div>    |  <div>DAC1654D1G25NAGA</div> <div>Manufacturers: IDT (Integrated Device Technology)<br/>Description: IC DAC 16BIT HLA<br/>In stock: 2117 pcs</div> <div>RFQ</div>                   |
|  <div>DAC1627D1G25HN/C1,</div> <div>Manufacturers: IDT (Integrated Device Technology)<br/>Description: IC DUAL CH 16 BIT DAC 1.25GBPS<br/>In stock: 2862 pcs</div> <div>RFQ</div> |  <div>DAC1653D1G5NLGA</div> <div>Manufacturers: IDT (Integrated Device Technology)<br/>Description: IC DAC 16BIT DL 1.5GSPS 56VFQFPN<br/>In stock: 2565 pcs</div> <div>RFQ</div>    |
|  <div>DAC1658D1G0NLGA</div> <div>Manufacturers: IDT (Integrated Device Technology)<br/>Description: IC DAC<br/>In stock: 2645 pcs</div> <div>RFQ</div>                            |  <div>DAC1653D1G0NLGA8</div> <div>Manufacturers: IDT (Integrated Device Technology)<br/>Description: IC DAC 16BIT DL 1GSPS 56VFQFPN<br/>In stock: 3301 pcs</div> <div>RFQ</div>     |
|  <div>DAC1653D2G0NLGA</div> <div>Manufacturers: IDT (Integrated Device Technology)<br/>Description: IC DAC<br/>In stock: 2586 pcs</div> <div>RFQ</div>                            |  <div>DAC1653D2G0NLGA8</div> <div>Manufacturers: IDT (Integrated Device Technology)<br/>Description: IC DAC<br/>In stock: 2575 pcs</div> <div>RFQ</div>                             |
|  <div>DAC1627D1G25IQM-DB</div> <div>Manufacturers: IDT (Integrated Device Technology)<br/>Description: BOARD DEMO FOR DAC1627D1G25IQM<br/>In stock: 195 pcs</div> <div>RFQ</div>  |  <div>DAC1627D1G25HN-C18</div> <div>Manufacturers: IDT (Integrated Device Technology)<br/>Description: IC DAC 16BIT DL 1.25GSPS 72HVQFN<br/>In stock: 1974 pcs</div> <div>RFQ</div> |