

DRV8305NPHP



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Part Number: [DRV8305NPHP](#)

Manufacturer: [N/A](#)

Description: [IC GATE DRIVER 3PHASE 48HTQFP](#)

Data sheet:

RoHs Status: [Lead free / RoHS Compliant](#)

Ship From: [Hong Kong](#)

Shipment Way: [DHL/Fedex/TNT/UPS/EMS](#)

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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                       |                                                |                                 |                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------|--------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                             | DRV8305NPHP                                    | Manufacturer                    | N/A                                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                             | IC GATE DRIVER 3PHASE 48HTQFP                  | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                      | 24618 pcs                                      | Data sheet                      |                                                              |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>      | Voltage - Supply                | 4.4 V ~ 45 V                                                 |
| Voltage - Load                                                                                                                                                                                                                                                                                                                                                                                                          | -                                              | Technology                      | Power MOSFET                                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                 | 48-HTQFP (7x7)                                 | Step Resolution                 | -                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                              | Packaging                       | Tube                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                          | 48-TQFP Exposed Pad                            | Output Configuration            | Pre-Driver - Half Bridge (3)                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 125°C (TA)                             | Mounting Type                   | Surface Mount                                                |
| Motor Type - Stepper                                                                                                                                                                                                                                                                                                                                                                                                    | Multiphase                                     | Motor Type - AC, DC             | -                                                            |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                        | 3 (168 Hours)                                  | Manufacturer Standard Lead Time | 8 Weeks                                                      |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                          | Lead free / RoHS Compliant                     | Interface                       | PWM, SPI                                                     |
| Function                                                                                                                                                                                                                                                                                                                                                                                                                | Controller - Commutation, Direction Management | Detailed Description            | Multiphase Motor Driver Power MOSFET PWM, SPI 48-HTQFP (7x7) |
| Current - Output                                                                                                                                                                                                                                                                                                                                                                                                        | -                                              | Applications                    | Three-Phase BLDC, PMSM Motors                                |
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| RELATED PRODUCTS                                                                   |                                                                                                      |                                    |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------|----------------|
|  | Part#: <a href="#">DRV8305NEPHPRQ1</a><br>Description: <a href="#">IC GATE DRIVER 3-PHASE</a>        | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DRV83055PHP</a><br>Description: <a href="#">IC GATE DRIVER 3PHASE 48HTQFP</a>     | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DRV83053QPHPRQ1</a><br>Description: <a href="#">IC GATE DRIVER 3-PHASE</a>        | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DRV83055PHPR</a><br>Description: <a href="#">IC GATE DRIVER 3PHASE 48HTQFP</a>    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DRV83055QPHPHQ1</a><br>Description: <a href="#">IC GATE DRIVER 3PHASE 48HTQFP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DRV8305NPHPR</a><br>Description: <a href="#">IC GATE DRIVER 3PHASE 48HTQFP</a>    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DRV8307RHAT</a><br>Description: <a href="#">IC MOTOR CONTROLLER PAR 40VQFN</a>    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DRV8305NEPHPHQ1</a><br>Description: <a href="#">IC GATE DRIVER 3PHASE 48HTQFP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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