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|---|---|--|
|   | <h2 style="color: #e67e22;">PRMD13Z</h2>  |  |
|   | <b>Manufacturer Part Number:</b>  | <a href="#">PRMD13Z</a>                  |
|  | <b>Manufacturer/Brand:</b>  | <a href="#">Nexperia</a>                 |
|   | <b>Part of Description:</b>   | <a href="#">PRMD13/SOT1268/DFN1412-6</a> |
| <b>Datasheets:</b>  |  <a href="#">PRMD13Z.pdf</a> |  |
| <b>RoHs Status:</b>   |  Lead free / RoHS            |  |
| <b>Stock Condition:</b>   | Compliant<br>New original, Stock Available.   |  |
| <b>Ship From:</b>   | Hong Kong   |  |
| <b>Shipment Way:</b>  | DHL/Fedex/TNT/UPS/EMS   |  |
| <p>Image may be representation. See specs for product details.</p>                |   |  |

### Specifications

|   |  |
|---|--|
| Part Number                                 | <a href="#">PRMD13Z</a>  |
| Manufacturer                                | <a href="#">Nexperia</a>   |
| Description                                 | <a href="#">PRMD13/SOT1268/DFN1412-6</a>                                   |
| Category                                    | <a href="#">Discrete Semiconductor Products &gt; Transistors - Bipolar</a> |
| Part Status                                 | <a href="#">Require For Quote &amp; Check Stock</a>                        |
| Voltage - Collector Emitter Breakdown (Max) | 50V  |
| Vce Saturation (Max) @ Ib, Ic               | 100mV @ 250µA, 5mA   |
| Transistor Type                             | 1 NPN Pre-Biased, 1 PNP  |
| Supplier Device Package                     | DFN1412-6  |
| Series                                      | Automotive, AEC-Q101   |
| Resistor - Emitter Base (R2)                | 47 kOhms   |
| Resistor - Base (R1)                        | 4.7 kOhms  |
| Power - Max                                 | 480mW  |
| Packaging                                   | Cut Tape (CT)  |
| Package / Case                              | 6-XFDNF Exposed Pad  |
| Other Names                                 | 1727-7391-1  |
| Mounting Type                               | Surface Mount  |
| Moisture Sensitivity Level (MSL)            | 1 (Unlimited)  |
| Manufacturer Standard Lead Time             | 13 Weeks   |
| Lead Free Status / RoHS Status              | Lead free / RoHS Compliant   |
| Frequency - Transition                      | 230MHz   |
| Detailed Description                        | Pre-Biased Bipolar Transistor (BJT) 1 NPN Pre-Biased, 1                    |
| DC Current Gain (hFE) (Min) @ Ic, Vce       | 100 @ 10mA, 5V   |
| Current - Collector Cutoff (Max)            | 1µA  |
| Current - Collector (Ic) (Max)              | 100mA  |

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|  <p><b>PRMD3Z</b><br/>Nexperia<br/>PRMD3/SOT1268/DFN1412-6</p>                         |  <p><b>PRMD2Z</b><br/>Nexperia<br/>PRMD2/SOT1268/DFN1412-6</p>         |  <p><b>PRMC3-D5-S5-S</b><br/>CUI, Inc.<br/>DC DC CONVERTER 5V 2.5W</p> |  <p><b>PRMC3-D5-S15-S</b><br/>CUI, Inc.<br/>DC DC CONVERTER 15V 2.5W</p>    |

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ADD:Unit A5-B5 No.509, 5/F Sing Win Factory Building, 15-17 Shing yip St, Kwun Tong, Kowloon, HongKong.

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