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|   | <b>APT53N60BC6</b>   |
|   | <b>Manufacturer Part Number:</b> <a href="#">APT53N60BC6</a>   |
|  | <b>Manufacturer/Brand:</b> <a href="#">Microsemi</a>   |
|   | <b>Part of Description:</b> MOSFET N-CH 600V 53A TO-247  |
| <b>Datasheets:</b> <a href="#">PDF APT53N60BC6.pdf</a>                            | <b>RoHS Status:</b>  Lead free / RoHS |
| <b>Stock Condition:</b> Compliant<br>New original, 600 pcs Stock Available.       | <b>Ship From:</b> Hong Kong  |
| <b>Image may be representation. See specs for product details.</b>                | <b>Shipment Way:</b> DHL/Fedex/TNT/UPS/EMS   |

### Specifications

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| Part Number                            | <a href="#">APT53N60BC6</a>  |
| Manufacturer                           | <a href="#">Microsemi</a>  |
| Description                            | MOSFET N-CH 600V 53A TO-247  |
| Category                               | <a href="#">Discrete Semiconductor Products &gt; Transistors - FETs,</a> |
| Part Status                            | 600 pcs Stock  |
| Vgs(th) (Max) @ Id                     | 3.5V @ 1.72mA  |
| Vgs (Max)                              | ±20V   |
| Technology                             | MOSFET (Metal Oxide)   |
| Supplier Device Package                | TO-247 [B]   |
| Series                                 | CoolMOS™   |
| Rds On (Max) @ Id, Vgs                 | 70 mOhm @ 25.8A, 10V   |
| Power Dissipation (Max)                | 417W (Tc)  |
| Packaging                              | Tube   |
| Package / Case                         | TO-247-3   |
| Operating Temperature                  | -55°C ~ 150°C (TJ)   |
| Mounting Type                          | Through Hole   |
| Input Capacitance (Ciss) (Max) @ Vds   | 4020pF @ 25V   |
| Gate Charge (Qg) (Max) @ Vgs           | 154nC @ 10V  |
| FET Type                               | N-Channel  |
| FET Feature                            | -  |
| Drive Voltage (Max Rds On, Min Rds On) | 10V  |
| Drain to Source Voltage (Vdss)         | 600V   |
| Current - Continuous Drain (Id) @ 25°C | 53A (Tc)   |

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|  <p><b>APT541-227-0030</b><br/>APT<br/>IGBT Modules</p>                   |  <p><b>APT50N60JCU2</b><br/>Microsemi Corporation<br/>MOSFET N-CH 600V 52A SOT-227</p> |  <p><b>APT541-227-0001</b><br/>APT<br/>IGBT Modules</p> |  <p><b>APT53F80J</b><br/>Microsemi Corporation<br/>MOSFET N-CH 800V 57A SOT-227</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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