

BA78M09FP-E2





**Part Number:** [BA78M09FP-E2](#)

**Manufacturer:** [LAPIS Semiconductor](#)

**Description:** IC REG LINEAR 9V 500MA TO252-3

**Data sheet:**  [BA78\(M\)xx Series](#)  
 [TO252-3 Taping Spec](#)

**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

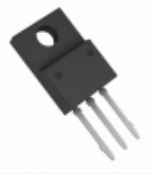
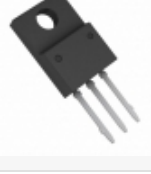
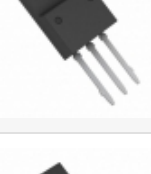
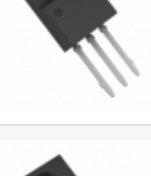
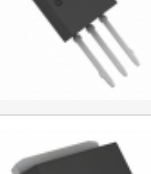
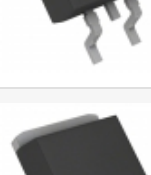
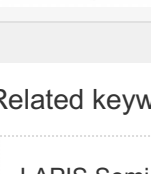
**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER               |                                                                       |                                  |                                                                         |
|---------------------------------|-----------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------|
| Part Number                     | BA78M09FP-E2                                                          | Manufacturer                     | <a href="#">LAPIS Semiconductor</a>                                     |
| Description                     | IC REG LINEAR 9V 500MA TO252-3                                        | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                              |
| Quantity Available              | 181807 pcs                                                            | Data sheet                       | <a href="#">BA78(M)xx Series</a><br><a href="#">TO252-3 Taping Spec</a> |
| Category                        | <a href="#">Integrated Circuits (ICs)</a>                             | Voltage Dropout (Max)            | 2V @ 500mA (Typ)                                                        |
| Voltage - Output (Min/Fixed)    | 9V                                                                    | Voltage - Output (Max)           | -                                                                       |
| Voltage - Input (Max)           | 26V                                                                   | Supplier Device Package          | TO-252-3                                                                |
| Series                          | -                                                                     | Protection Features              | Over Current, Over Temperature                                          |
| Packaging                       | Tape & Reel (TR)                                                      | Package / Case                   | TO-252-3, DPak (2 Leads + Tab), SC-63                                   |
| PSRR                            | 67dB (120Hz)                                                          | Output Type                      | Fixed                                                                   |
| Output Configuration            | Positive                                                              | Other Names                      | BA78M09FP-E2TR<br>BA78M09FPE2                                           |
| Operating Temperature           | -40°C ~ 85°C                                                          | Number of Regulators             | 1                                                                       |
| Mounting Type                   | Surface Mount                                                         | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                           |
| Manufacturer Standard Lead Time | 6 Weeks                                                               | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                              |
| Detailed Description            | Linear Voltage Regulator IC Positive Fixed 1 Output 9V 500mA TO-252-3 | Current - Supply (Max)           | 6mA                                                                     |
| Current - Quiescent (Iq)        | 4.5mA                                                                 | Current - Output                 | 500mA                                                                   |
| Control Features                | -                                                                     | Base Part Number                 | BA78M                                                                   |

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RFQ Email: [info@Components-World.com](mailto:info@Components-World.com)

| RELATED PRODUCTS                                                                   |                                                                                                 |                                                             |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------|
|  | <p>Part#: <a href="#">BA78M12FP-E2</a></p> <p>Description: IC REG LINEAR 12V 500MA TO252-3</p>  | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M05CP-E2</a></p> <p>Description: IC REG LINEAR 5V 500MA TO220CP-3</p> | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M08FP-E2</a></p> <p>Description: IC REG LINEAR 8V 500MA TO252-3</p>   | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M20CP-E2</a></p> <p>Description: IC REG LIN 20V 500MA TO220CP-3</p>   | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M07FP-E2</a></p> <p>Description: IC REG LINEAR 7V 500MA TO252-3</p>   | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA783S-HE3-18</a></p> <p>Description: DIODE BAND SW 100MA SOD323</p>      | Manufacturers: <a href="#">Electro-Films (EFI) / Vishay</a> | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M10FP-E2</a></p> <p>Description: IC REG LINEAR 10V 500MA TO252-3</p>  | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M10CP-E2</a></p> <p>Description: IC REG LIN 10V 500MA TO220CP-3</p>   | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M06CP-E2</a></p> <p>Description: IC REG LINEAR 6V 500MA TO220CP-3</p> | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M18CP-E2</a></p> <p>Description: IC REG LIN 18V 500MA TO220CP-3</p>   | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M18FP-E2</a></p> <p>Description: IC REG LINEAR 18V 500MA TO252-3</p>  | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M07CP-E2</a></p> <p>Description: IC REG LINEAR 7V 500MA TO220CP-3</p> | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M06FP-E2</a></p> <p>Description: IC REG LINEAR 6V 500MA TO252-3</p>   | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M20FP-E2</a></p> <p>Description: IC REG LINEAR 20V 500MA TO252-3</p>  | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M08CP-E2</a></p> <p>Description: IC REG LINEAR 8V 500MA TO220CP-3</p> | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M12CP-E2</a></p> <p>Description: IC REG LIN 12V 500MA TO220CP-3</p>   | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M09CP-E2</a></p> <p>Description: IC REG LINEAR 9V 500MA TO220CP-3</p> | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M15CP-E2</a></p> <p>Description: IC REG LIN 15V 500MA TO220CP-3</p>   | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M15FP-E2</a></p> <p>Description: IC REG LINEAR 15V 500MA TO252-3</p>  | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |
|  | <p>Part#: <a href="#">BA78M05FP-E2</a></p> <p>Description: IC REG LINEAR 5V 500MA TO252-3</p>   | Manufacturers: <a href="#">LAPIS Semiconductor</a>          | <a href="#">RFQ</a> |

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