

# MYBSP0122BABFT

Isolated DC-DC converter with IEEE 802.3at Class 4 PoE PD

In Production

Recommended

RoHS

## Applications

|                          |                                                                                                                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unsuitable Applications  | Please be sure to read and comply with these "Precautions for use."                                                                                                                                                                                                                                              |
| Specific Applications    | Consumer equipment, Industrial Equipment<br>Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product. |
| Recommended Applications | PoE [Power over Ethernet]                                                                                                                                                                                                                                                                                        |

## Features

25.5W, 12Vo/2.125A isolated DC-DC converter for PoE  
Support IEEE802.3at/ PoE+ class4  
Input voltage ranges from 37 to 57V  
Small package, 35.5 x 22.4 x 10.55mm  
Surface mount module  
2250Vdc Input-Output Isolation  
Support Type2 PSE Indicator  
Support Adapter ORing

## Appearance & Shape



### Attention

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2.This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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## Specifications

|                            |                                                  |
|----------------------------|--------------------------------------------------|
| Output power (W)Max        | 25.5W                                            |
| Vin(V)                     | 37V to 57V                                       |
| Vin(V)typ                  | 48V                                              |
| Vout(V)                    | 12V                                              |
| Vout(V)typ                 | 12V                                              |
| Isolation Voltage (V)      | 2250V                                            |
| Efficiency (%)             | 92.5%                                            |
| Size(mm)W                  | 35.5mm                                           |
| Size(mm)L                  | 22.4mm                                           |
| Size(mm)T                  | 10.55mm                                          |
| Operatingtemperature(degC) | -40°C to 85°C                                    |
| Outputs (#)                | 1                                                |
| Iout(A)Max                 | 2.125A                                           |
| Package                    | SMD                                              |
| Productseries              | MYB                                              |
| Product Series Features    | MYBSP series is isolated DC-DC converter for PoE |
| Brand                      | Murata                                           |

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