

# BE1142TEST

## Input Voltage 3.5V to 36V Output SW Current 1.25A 1ch Step-Down Switching Regulator

BE1142TEST is a step-down switching regulator with integrated POWER MOSFET and have the capability to withstand high input voltage, providing a free setting function of operating switching frequency with external resistor. This switching regulator features a wide input voltage range (4V to 32V, Absolute maximum 38V) and operating temperature range (-40°C to +125°C). Furthermore, an external synchronization input pin enables synchronous operation with external clock

### Features

- AEC-Q100 Qualified (Grade 1)
- Integrated Pch POWER MOSFET
- Low Dropout: 100% ON Duty Cycle
- External Synchronization Function
- Soft Start Function: 1.5ms (fsw = 400kHz)
- Current Mode Control
- Over Current Protection
- Low Supply Voltage Error Prevention
- Thermal Shut Down Protection
- Short Circuit Protection
- High power HRP7 package mounted
- Compact and High power HTSOP-J8 package mounted
- Load dump up to 38V.