3.8V-28V Vin, 3A Synchronous Step-down DCDC Converter with EMI Reduction

FEATURES

- 6% Frequency Spread

REVISION HISTORY

DEVICE ORDER INFORMATION

ABSOLUTE MAXIMUM RATINGS

Over operating free-air temperature unless otherwise noted(1)

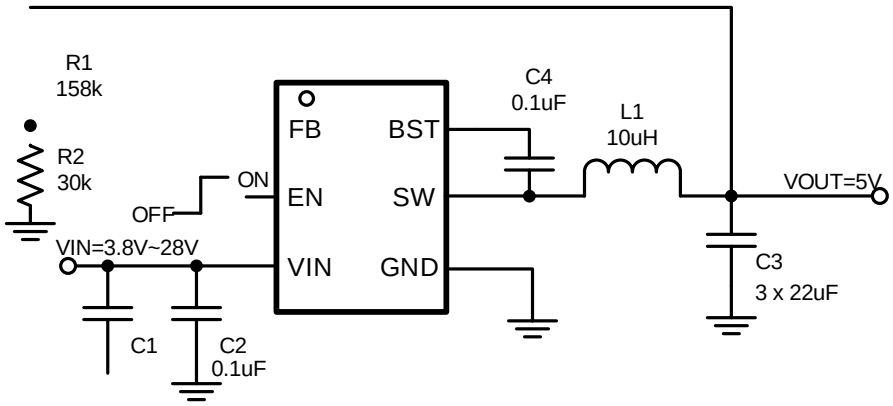
PIN CONFIGURATION

SW	5	Switching node of the buck converter.
BST	6	Power supply for the high-side power MOSFET gate driver. Must connect a 0.1uF or greater ceramic capacitor between BST pin and SW node.

RECOMMENDED OPERATING CONDITIONS

TYPICAL CHARACTERISTICS

APPLICATION INFORMATION

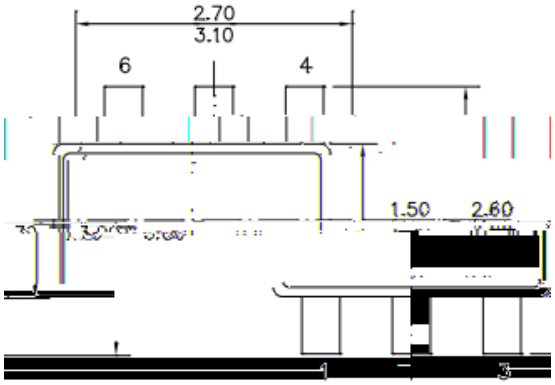


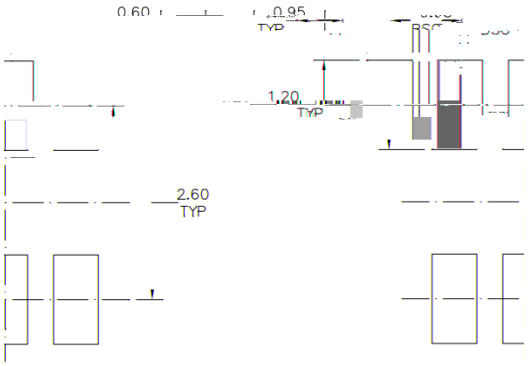
Design Parameters	Example Value
Input Voltage	24V
Output Voltage	5V
Output Current	3A
Output voltage ripple (peak to peak)	±8mV
Switching Frequency	400kHz

$$= \frac{1}{2 \cdot \quad \times \ _1} \tag{10}$$

$$_1 = \frac{(\quad - \quad) \times \ _2}{} \tag{11}$$

PACKAGE INFORMATION

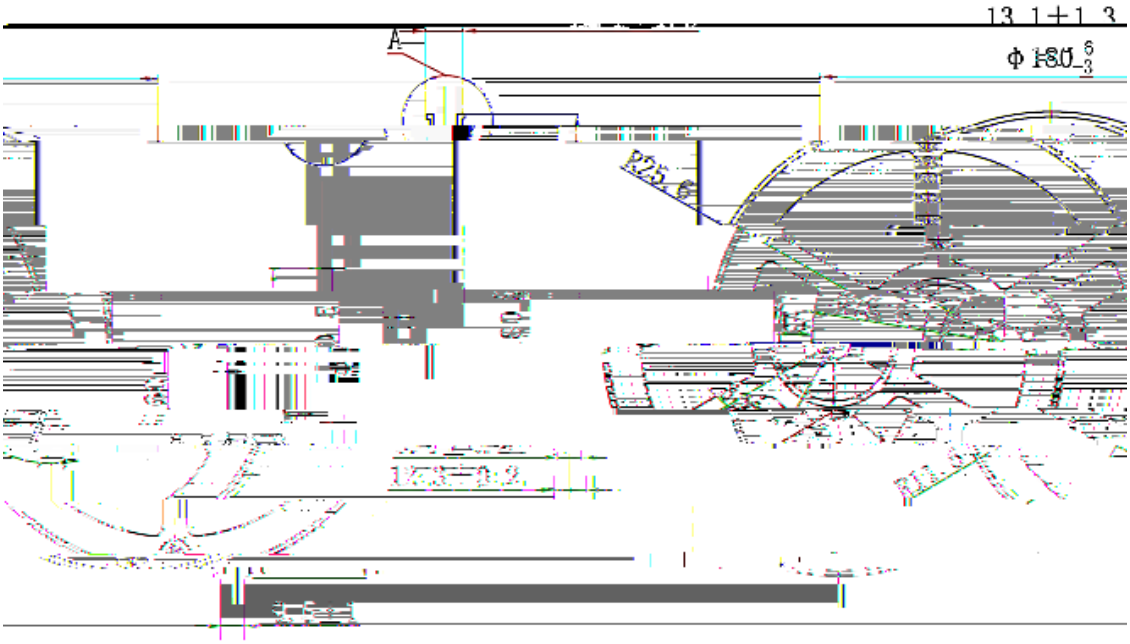


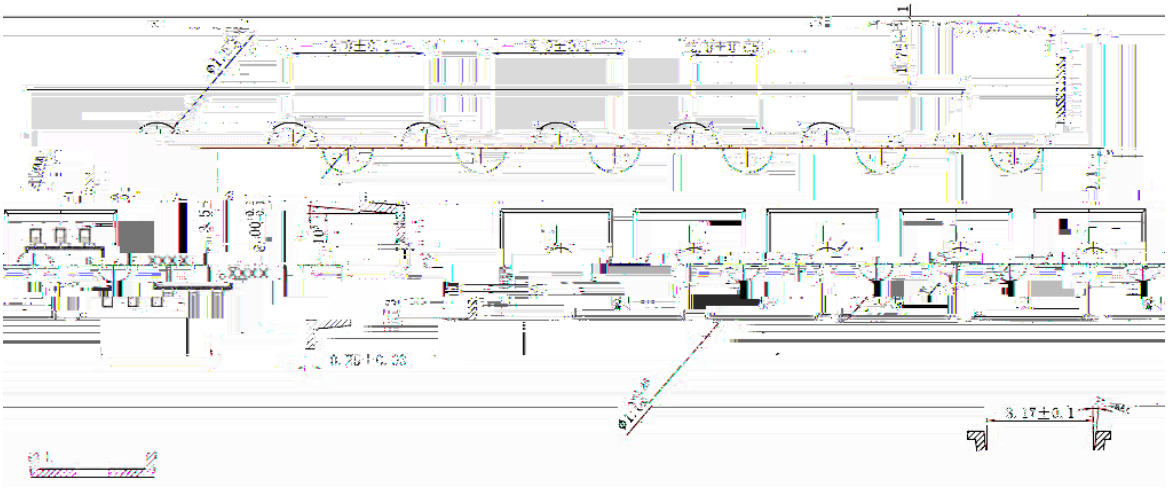




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TAPE AND REEL INFORMATION





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