



Contributes to Lower Standby Power and Higher Efficiency

Critical Conduction Mode PFC Controller ICs

BD769xFJ / BM1C001F

Features

- Low circuit current increases efficiency while reducing power consumption
- High drive frequencies (220kHz, 400kHz, 1MHz) improve efficiency during light loads
- The PFC stop function can be set to an arbitrary load, enabling higher efficiency over a wide load range (BM1C001F)

Applications

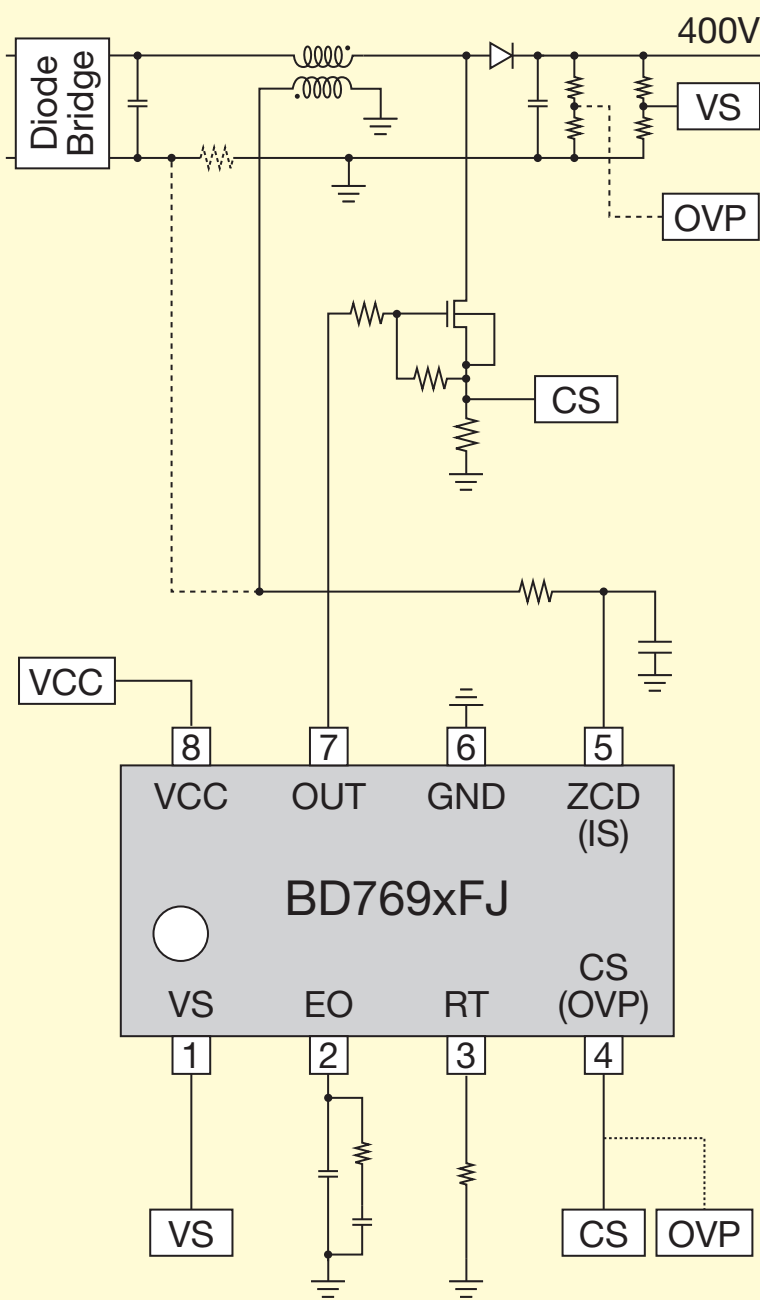
- AC/DC supplies
- Power supplies for LED lighting



Specifications

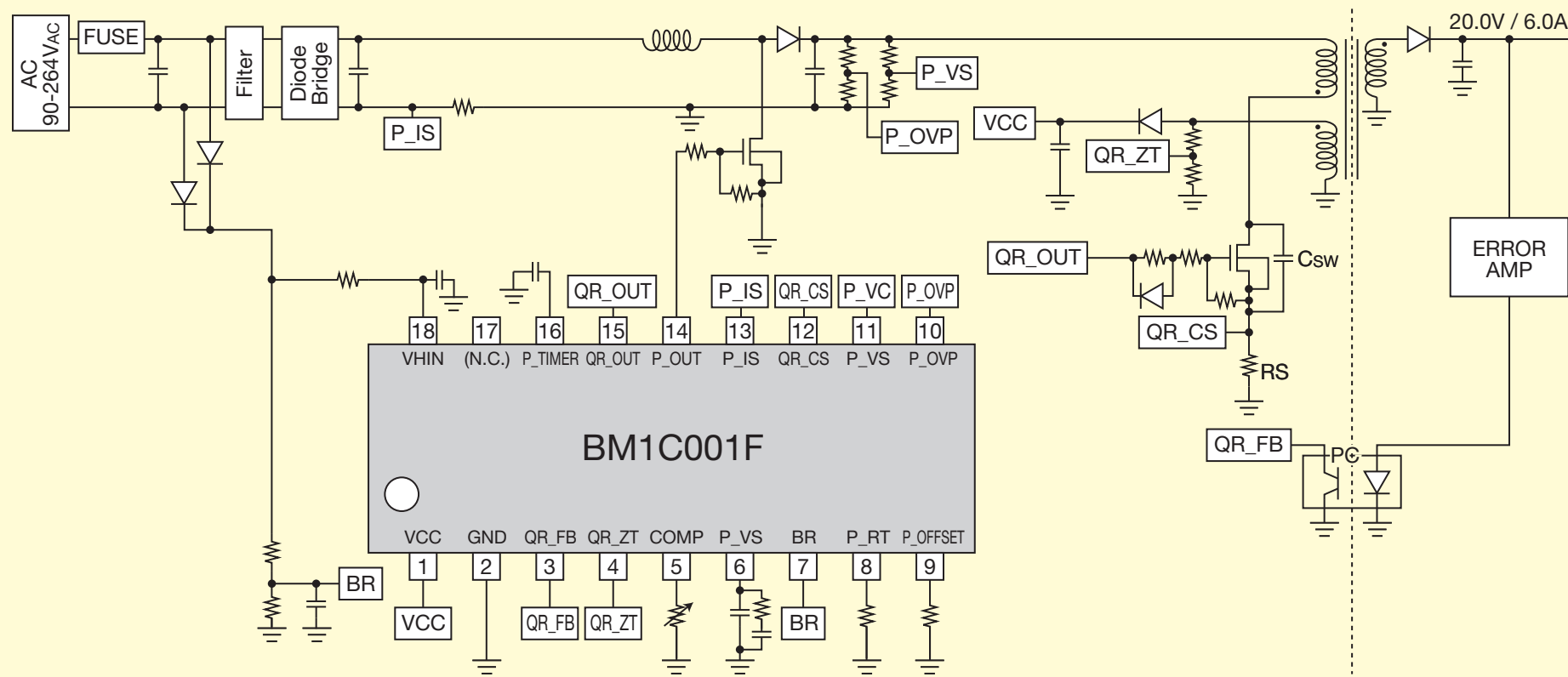
■ PFC Controller ICs (BD769xFJ Series)

- Critical conduction mode PFC
- VS pin dynamic / static OVP
- High accuracy overcurrent detection
- Lower circuit current (350μA Typ.) reduces power consumption



■ PFC+AC/DC (QR) Controller IC (BM1C001F)

- Power Factor Correction
 - Critical conduction mode PFC
 - Auxiliary winding not required for ZCD (resistor detection)
 - PFC output 2-stage switching based on AC input level
- Built-in startup circuit (650V Max.)
- Quasi-resonant
 - 120kHz Max. frequency control
- No discharge resistor needed



Lineup

Part No.	ZCD	VCC UVLO (V)	Max Frequency (kHz)	Static / Dynamic OVP	Independent OVP	OCF	Brown Out	AC/DC QR	Starter	Package
☆ BD7695FJ	Resistor	13.0 / 9.0	400, (220kHz, 1MHz)	✓	✓	✓	-	-	-	SOP-J8S
☆ BD7696FJ	Resistor	9.6 / 9.0	400, (220kHz, 1MHz)	✓	✓	✓	-	-	-	SOP-J8S
☆ BD7697FJ	AUX Winding	13.0 / 9.0	400, (220kHz, 1MHz)	✓	-	✓	-	-	-	SOP-J8S
☆ BD7698FJ	AUX Winding	9.6 / 9.0	400, (220kHz, 1MHz)	✓	-	✓	-	-	-	SOP-J8S
New BM1C001F	Resistor	13.5 / 8.2	400	✓	✓	✓	✓	✓	✓	SOP18

☆ : Under development

