

LV Sync Buck Converter

| Parts | PGK | Vin | Vref | Freq. | I | Duty | Fault | Efficiency |
|-----------|---------------|----------|------|-----------|---------|------|-----------------|------------|
| | Type | Range | (V) | | Loading | (%) | | |
| IT77101 | TSOT25 | 2.5~5.5V | 0.6 | 1.8M | 600mA | 90 | Short OTP | 95% |
| IT77103 | TSOT25 | 2.5~5.5V | 0.6 | 1.8M | 800mA | 90 | Short OTP | 95% |
| IT77107 | DFN10 | 2.5~5.5V | 0.6 | 1.8M | 600mA*2 | 90 | Short OTP | 95% |
| IT77117 | DFN10 | 2.5~5.5V | 0.6 | 1.8M | 800mA*2 | 90 | Short OTP | 95% |
| CAT7107 | DFN10 | 2.5~5.5V | 0.6 | 1.8M | 600mA*2 | 90 | Short OTP | 95% |
| CAT7117 | DFN10 | 2.5~5.5V | 0.6 | 1.8M | 800mA*2 | 90 | Short OTP | 95% |
| CAT7311 | DFN10 | 2.5~5.5V | 0.6 | 1.8M | 800mA*2 | 90 | Short OTP | 95% |
| CAT7102 | MSOP10 | 2.5~5.5V | 0.6 | 1.25M | 1.2A | 100 | Short OTP | 95% |
| CAT7108 | MSOP10 | 2.5~5.5V | 0.6 | 1.25M | 1.5A | 100 | Short OTP | 95% |
| CAT7810 | SOP8 DFN10 | 2.5~5.5V | 0.6 | 1.25M | 2A | 100 | Short OTP | 95% |
| IT7801 | DFN2*2-6 | 2.5~6V | 0.6 | 1.5M | 1A | 100 | Short OTP | 95% |
| IT7802/03 | SOP8EP | 2.5~6V | 0.8 | 1M | 2A/3A | 100 | Short OTP/PG | 95% |
| IT7832/33 | SOP8EP | 2.5~6V | 0.8 | 300K~1.4M | 2A/3A | 100 | Short OTP | 95% |
| IT7321 | DFN3*3-10 | 2.5~6V | 0.6 | 1.5M | 1A*2 | 100 | Short OTP | 95% |

HV Async Buck Converter

| Parts | PGK | Vin | Vref | Freq. | I | Duty | Fault | Efficiency |
|-----------|-------------------|----------|------|----------|-----------|------|-----------------|------------|
| | Type | Range | (V) | | Loading | (%) | | |
| CAT7105 | SOP8 | 4.75~23V | 1.23 | 380K | 2A | 90 | Short OTP | 93% |
| CAT7106 | SOP8/Ex | 4.75~23V | 1.23 | 380K | 3A | 90 | Short OTP | 93% |
| CAT7114 | MSOP10 SOP8 | 4.75~23V | 0.92 | 380K | 2A | 90 | Short OTP | 95% |
| CAT7124 | SOP8/Ex | 4.75~23V | 0.92 | 380K | 2.5A | 90 | Short OTP | 95% |
| CAT7125 | SOP8/Ex | 4.75~23V | 0.92 | 380K | 3A | 90 | Short OTP | 95% |
| CAT7199 | SOP8 | 4.75~23V | 1.23 | 380K | 2A | 90 | Short | 93% |
| CAT7198 | SOP8/Ex | 4.75~23V | 1.23 | 380K | 3A | 90 | Short | 93% |
| CAT71991 | SOP8 | 4.75~23V | 1.23 | 380K | 2A | 90 | SS,Short OTP | 93% |
| CAT71981 | SOP8/Ex | 4.75~23V | 1.23 | 380K | 3A | 90 | SS,Short OTP | 93% |
| IT7612/13 | SO8EP MSOP10 | 4.75~23V | 0.92 | 380K+PSM | 2A/3A | 90 | Short OTP | 90% |
| IT7602/03 | SO8EP | 4.75~23V | 1.23 | 380K+PSM | 2A/3A | 90 | Short OTP | 90% |
| IT7652/53 | SO8EP | 4.5~18V | 0.92 | 380K+PSM | 1.5A/2.5A | 90 | Short OTP | 90% |
| CAT7128 | SOP8 MSOP10 | 4.75~23V | 0.92 | 1.4M | 2A | 90 | Short OTP | 90% |
| CAT7118 | SOP8/Ex MSOP10 | 4.75~23V | 0.92 | 1.4M | 2.5A | 90 | Short OTP | 90% |
| CAT7119 | SOP8/Ex | 4.75~23V | 0.92 | 1.4M | 3A | 90 | Short OTP | 90% |

Sync/Async Boost Converter

| Parts | Type | PGK | Vin | Vref | Freq. | Imax | Duty | Fault |
|---------|-------|---------|--------|------|-------|-------|------|--------------|
| | | Type | Range | (V) | (Hz) | | (%) | |
| CAT7202 | Sync | SOT23-6 | 1~6V | 0.8 | 1.2M | 600mA | 90 | Short OTP |
| CAT7252 | Async | SOT23-6 | 1~6V | 0.8 | 1.2M | 600mA | 90 | Short OTP |
| IT7453 | Async | SOT23-6 | 2.5~6V | 1.25 | 1.2M | 1.3A | 90 | Short OTP |

PWM/LDO Controller

| Parts | PWM | PGK | Vref | Freq | Soft | Duty | Fault | UG |
|---------|------|---------|------|---------|----------|------|------------|----------|
| | /LDO | Type | (V) | (KHz) | Start | (%) | | /LG(A) |
| CAT7580 | 1/0 | SOP8 | 0.8 | Fix/320 | Internal | 90 | UVP | 1.5/1.5A |
| CAT7583 | 1/0 | SOP8 | 0.8 | Fix/380 | Internal | 90 | UVP OVP | 1.5/1.5A |
| CAT7581 | 1/0 | SOP8 | 0.8 | Fix/300 | Internal | 100 | UVP OCP | 1.4/0.8A |
| CAT7523 | 1/0 | SOP14 | 0.8 | Adj/220 | Ext. | 100 | OCP | 1.5/2A |
| CAT7550 | 1/1 | SOP14 | 0.61 | Adj/300 | Internal | 100 | UVP OCP | 3/3.5A |
| CAT7551 | 1/1 | SOP14 | 0.61 | Adj/300 | Internal | 100 | UVP | 3/3.5A |
| | | SSOP16 | | | | | | |
| CAT7552 | 1/1 | SOP14 | 0.8 | Adj/300 | Internal | 100 | UVP OCP | 2/2.5A |
| CAT7553 | 1/1 | SOP14 | 0.8 | Adj/300 | Internal | 100 | UVP | 2/2.5A |
| | | SSOP16 | | | | | | |
| CAT7534 | 2/1 | QFN32 | 0.6 | Adj/320 | Ext. | 87.5 | UVP | 1.5/1.5A |
| | | TSSOP24 | | | | | | |

PMU

| Parts | Type | PGK | Vin | Vref | Freq. | I_Limit | Duty | Fault |
|---------|-----------|----------|---------|-------|----------|-----------|------|-------|
| | | Type | Range | (V) | (Hz) | | | |
| CAT7301 | 6 Channel | QFN-40LD | 2.5V~6V | 1.25V | Adj~1MHz | 2.1A | 90 | OCP |
| | | | | 0V | | 2.1A/0.8A | | |
| | | | | 0.2V | | 0.77A | | |