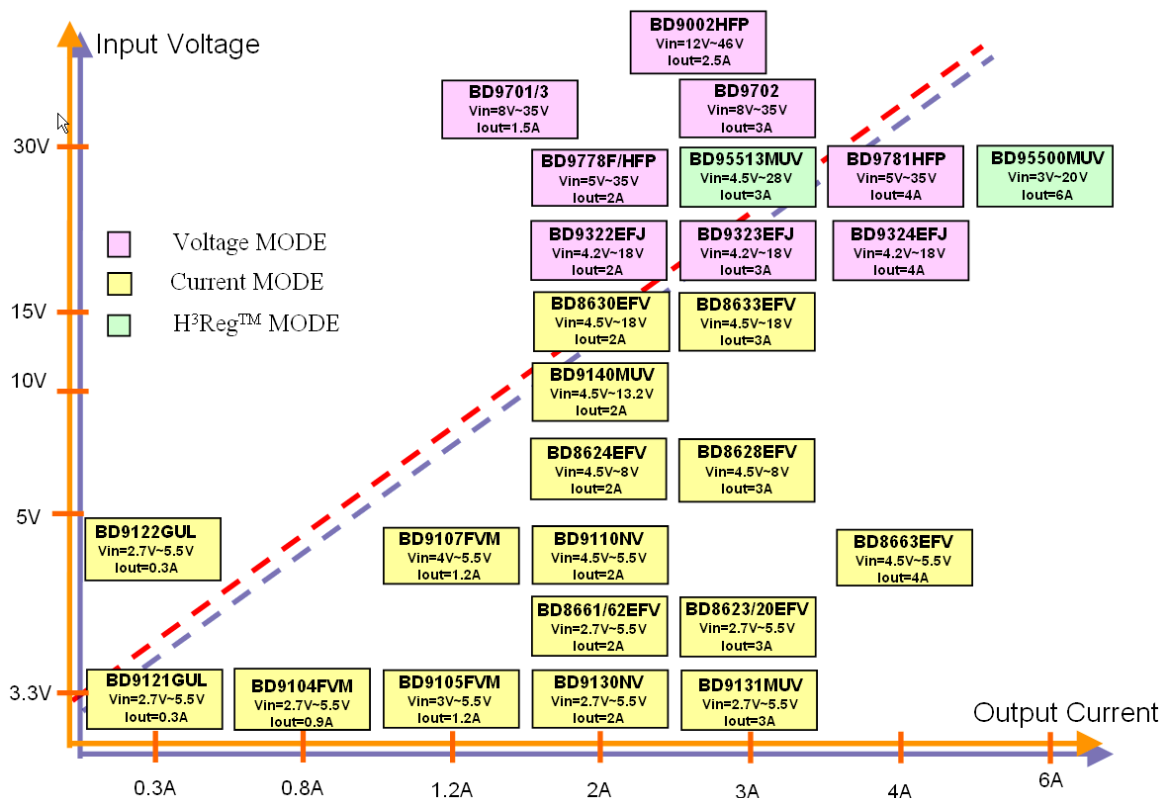


New members in our Switching regulator line-up

ROHM features a brought line-up of switch mode regulators. The below diagram shows an excerpt of the Build-in FET Series. Of course controller type devices for external MOSFETs are available as well. ROHM offers devices for applications like PC power supply ($V_{in}=20V$, $I_{out} = 6A$), automotive ($V_{in}=50V$, $I_{out}=2A$ and $4A$), digital video cameras (6 to 8 separate channels) and Flat Panel TVs ($V_{in}=2.7V$ to $5.5V$, $I_{out}=3A$ or controller types). Of course all devices are flexible and can be used in other applications.

New devices featuring ROHMs unique H^3Reg^{TM} Switching Regulator Technology (High speed, High efficiency, High Shrink) have been recently added to this line-up. BD95500MUV and BD95513MUV feature Simple Light Load Mode (SLLM) for high efficiency at low loads or as alternative (programmable) Quiet Light Load Mode (QLLM) which keeps fosc higher than 30kHz, rich protection circuitry (TSD, UVLO, OCP (detect peak current), OVP), high output current of 3A and 6A, low R_{on} (120mOhm / 50mOhm) of the integrated FETs (High side and Low side, thus synchronous rectification), wide input voltage range, adjustable DC/DC output voltage of 0.7V to 5.5V, adjustable frequency (200kHz to 600kHz), power good open-drain function and small VQFN032-V5050 (5x5mm) or VQFN040-V6060 (6x6mm) packages.



Please refer to our internet page or discuss your requirements with us.

ROHM ELECTRONICS GMBH

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