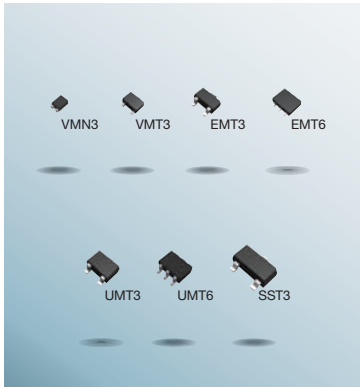


Ultra-Low Voltage ECOMOS™ Series



New 0.9V* ECOMOS™ lineup

*The industry's first

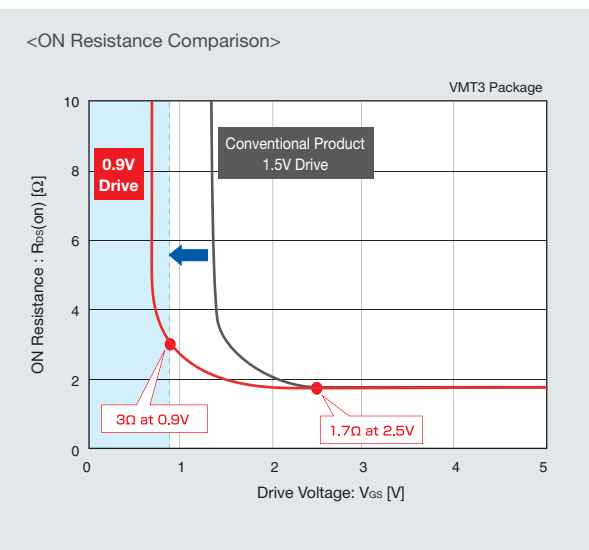
Product Outline

ROHM now offers the first MOSFETs capable of operation from a single dry cell battery.
Stable driving of lower output voltage ICs is guaranteed (1V termination voltage).

*12/2009 ROHM survey

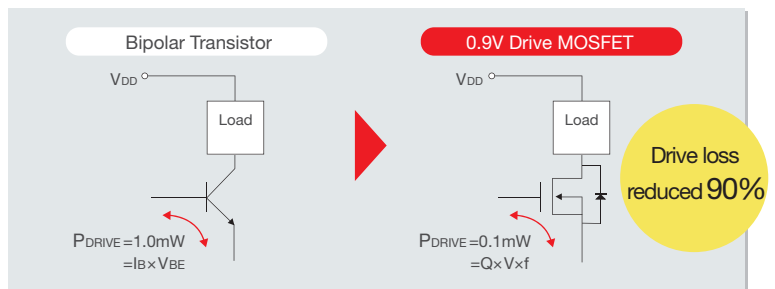
Eco-friendly operation

- Operation possible from a single dry cell battery
- Supports lower voltage output IC driving
- Compatible with solar batteries (1V : 0.5V/cell x 2 cells)

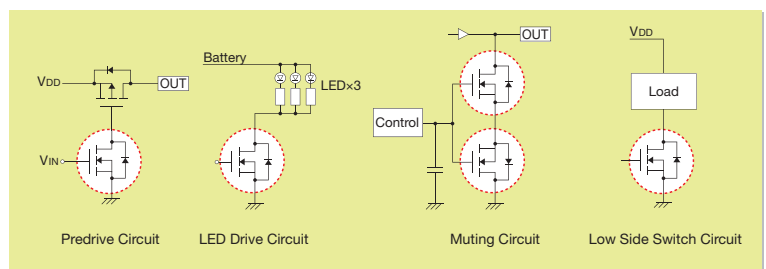


Significantly lower power consumption

- Reduces drive loss by up to 90% compared with bipolar transistor drive



Application Circuit Examples



Lineup

Package	P _D (W)	Polarity	Part No.	V _{DSS} (V)	I _D (A)	R _{DS(on)} Typ.(Ω)		
						V _{GS} =0.9V	V _{GS} =1.2V	V _{GS} =2.5V
VMN3	0.15	Nch	☆ RYB002N05	50	0.2	3.0	2.2	1.7
VMT3	0.15	Nch	☆ RYM002N05	50	0.2	3.0	2.2	1.7
EMT3	0.15	Nch	☆ RYE002N05	50	0.2	3.0	2.2	1.7
EMT6	0.15	Nch+Nch	☆ EM6K34	50	0.2	3.0	2.2	1.7
UMT3	0.20	Nch	☆ RYU002N05	50	0.2	3.0	2.2	1.7
UMT6	0.15	Nch+Nch	☆ UM6K34N	50	0.2	3.0	2.2	1.7
SST3	0.20	Nch	☆ RYC002N05	50	0.2	3.0	2.2	1.7

☆ Under Development

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