

Voltage Comparator

- ◆ Voltage comparators are widely used for system management, signal detection and fault prevention. UTC provides voltage comparators with various configurations and features.

Part Number	V _{CC}	Ch.#	Input	Output	Temp. range
LV7239	5.5V	1	R2R	Push-pull	-40~125 °C
ULC8740	5.5V	1	R2R	Push-pull	-40~85 °C
LV7235	5.5V	1	R2R	Open-drain	-40~85 °C
ULC77241	5.5V	1		Open-drain	-40~125 °C
LMV331	5.5V	1		Open-collector	-40~125 °C
LV942	5.5V	2	R2R	Push-pull	-40~85 °C
LMV393	5.5V	2		Open-collector	-40~85 °C
ULV7211	15V	1	R2R	Push-pull	-40~85 °C
ULC3702	16V	2		Push-pull	-40~85 °C
TS391	36V	1		Open-collector	-40~125 °C
UTL331	36V	1		Open-collector	-40~125 °C
LM393-Q	32V	2		Open-collector	-20~85 °C
LM393	36V	2		Open-collector	-20~85 °C
LM393B	38V	2		Open-collector	-40~125 °C
LM293	36V	2		Open-collector	-40~105 °C
LM2903	36V	2		Open-collector	-40~125 °C
LM2903B	38V	2		Open-collector	-40~125 °C
LM339-Q	32V	4		Open-collector	-20~85 °C
LM339	36V	4		Open-collector	-20~85 °C
LM339B	38V	4		Open-collector	-40~125 °C
LM239	36V	4		Open-collector	-40~105 °C
LM2901	36V	4		Open-collector	-40~125 °C
LM2901B	38V	4		Open-collector	-40~125 °C

Note: Please refer to UTC catalog for complete portfolio.

- ◆ Voltage comparator integrated with voltage reference.

Part Number	V _{CC}	Ch.#	Input	Output	V _{REF}
UM21125	20V	1	V _{REF}	Open-collector	68mV tied at V _{IN-}
LMV3011	7V	1	R2R	Push-pull	1.24V (indep.)
LMV3012	7V	1	R2R	Open-drain	1.24V (indep.)

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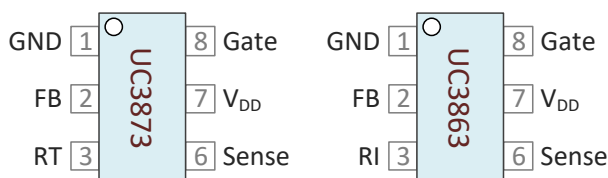
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AC-DC PWM Controller

- Green-mode PWM controller IC: fly-back topology, low P_{STANDBY}

Part NO.	Feature
UC3863	OTP programmable
UC3873	Freq. programmable
UC3800	Line-out / brown-out



- Green-mode PWM switcher: ideal for charger / adaptor

Part NO.	Feature
UCS165xS series	650V-MOSFET integrated PWM switcher
UCSR365xS series	650V-MOSFET integrated PWM switcher, primary-side regulation

- Current-mode PWM controller IC: pin-compatible alternative

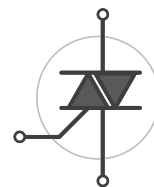
Part Number	Temperature	Max Duty	Input UVLO	Istartup
UC1842A	-40~125 °C	96%	16V/10V	0.12mA
UC1842B	-40~125 °C	96%	16V/10V	0.25mA
UC1843A	-40~125 °C	96%	8.4V/7.6V	0.12mA
UC1843B	-40~125 °C	96%	8.4V/7.6V	0.25mA
UC1844	-40~125 °C	48%	16V/10V	0.25mA
UC1845	-40~125 °C	48%	8.4V/7.6V	0.25mA
UC2842A	-40~85 °C	96%	16V/10V	0.12mA
UC2842B	-40~85 °C	96%	16V/10V	0.25mA
UC2843A	-40~85 °C	96%	8.4V/7.6V	0.12mA
UC2843B	-40~85 °C	96%	8.4V/7.6V	0.25mA
UC2844	-40~85 °C	48%	16V/10V	0.25mA
UC2845	-40~85 °C	48%	8.4V/7.6V	0.25mA
UC3842G	0~70 °C	96%	16V/10V	15μA
UC3842A	0~70 °C	96%	16V/10V	0.12mA
UC3842B	0~70 °C	96%	16V/10V	0.25mA
UC3843A	0~70 °C	96%	8.4V/7.6V	0.12mA
UC3843B	0~70 °C	96%	8.4V/7.6V	0.25mA
UC3844	0~70 °C	48%	16V/10V	0.25mA
UC3845	0~70 °C	48%	8.4V/7.6V	0.25mA

- Conventional switching controller: TL494, MC34063...

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TRIAC

- ◆ High voltage TRIACs provide low voltage-dropout for AC switching, ideal for relay switching, motor driving, white goods applications.
- ◆ UTC provides robust TRIAC products across wide voltage-current span, from conventional to advanced 3-quadrant sensitive TRIACs.

3-Q TRIAC	V _{DRM}	I _{T(RMS)}	I _{GT2}	4-Q TRIAC	V _{DRM}	I _{T(RMS)}	I _{GT2}
SM2LZ47	800V	2A	10mA	MAC97A6	400V	0.6A	5mA
UBCR302	800V	2A	10mA	MAC97A8	600V	0.6A	5mA
UBCR303	800V	3A	30mA	Z00607	600V	0.8A	5mA
UBCR304	800V	4A	35mA	UZ0103	600V / 800V	1A	3mA
UBCR308	800V	8A	30mA	UZ0107	600V / 800V	1A	5mA
U12JZ47	400V / 600V	12A	30mA	UT131		1A	3mA
U12JZ47A	400V / 600V	12A	20mA	UT134			
BTA304A		4A		UT136			
BTB304A					500V~	4A	10mA (E/FE)
BTA306A		6A		UT137	800V	8A	25mA (F/FF)
BTB306A				UT138		12A	35mA (blank)
BTA308A		8A		UT139		16A	50mA (G/FG)
BTB308A							
BTA310A		10A	5mA (TW)	BTA04 BTB04		4A	
BTB310A			10mA (SW)	BTA06 BTB06		6A	
BTA312A	400V~	12A	35mA (CW)	BTA08 BTB08		8A	5mA(T)
BTB312A	1000V		50mA(BW)	BTA10 BTB10		10A	5mA(D)
BTA316A		16A		BTA12 BTB12	400V~	12A	10mA(S)
BTB316A				BTA16 BTB16	1000V	16A	10mA(A)
BTA320A		20A		BTA25 BTB24		25A	25mA(C)
BTB320A				BTB25			50mA(B)
BTA324A		25A		BTA41 BTB41		40A	
BTB324A							
BTB325A							

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