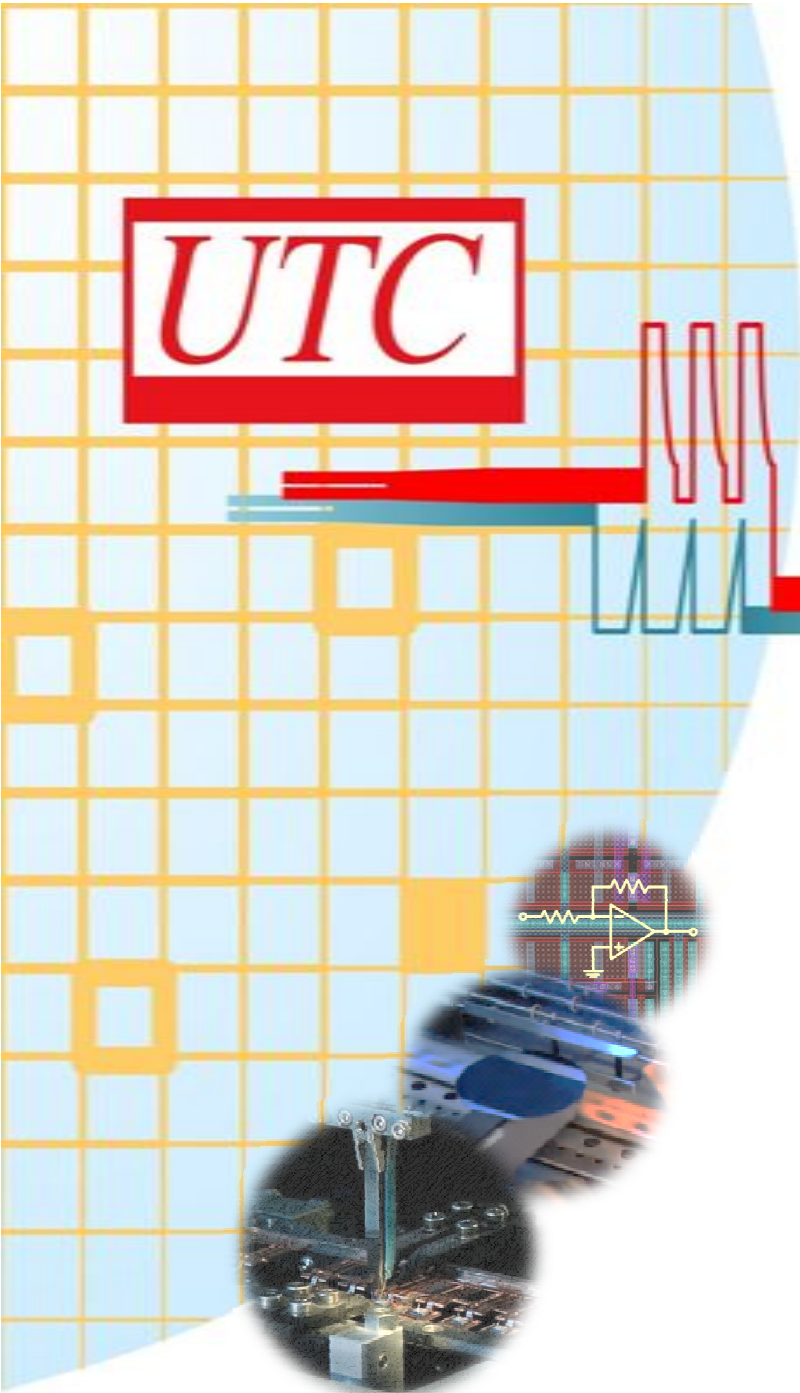


The background of the slide features a light blue grid with yellow squares. On the left, there is a red-bordered box containing the text "UTC" in a red serif font. Below this box, there are several overlapping circular images: a circuit board, a mechanical component, and a close-up of a microchip. To the right of the "UTC" box, there are two overlapping waveforms, one red and one blue, and a thick red horizontal bar that extends across the slide.

UTC

Unisonic Technologies

Product Introduction

LED Lighting Solution

**Isolated
LED Driver**

隔離式LED驅動

**Non-Isolated
LED Driver**

非隔離式LED驅動

**HV Linear
LED Driver**

高壓線性LED驅動

**Current Ripple
Remover**

電流紋波抑制IC



**DC-DC
Buck LED Driver**

直流降壓LED驅動

**DC-DC
Buck LED Driver**

直流升壓LED驅動

**Diode
Low V_F Schottky**

二極體
低順向電壓蕭特基

**MOSFET
Bridge Diode**

功率開關
橋式整流器





UTC Parts in LED Lighting

Category	Part No.	Description	Package
Isolated Driver	UPSL101	PSR, APFC, External MOSFET, 60W Max. P _{OUT}	SOP-8
Isolated Driver	UCL2310	PSR, APFC, External MOSFET, 50W Max. P _{OUT}	SOP-8
Isolated Driver	UCL5811	PSR, APFC, External MOSFET, 120W Max. P _{OUT}	SOP-8
Isolated Driver	USL3638	PSR, Internal 650V MOSFET, 7W Max. P _{OUT}	DIP-8, SOP-8

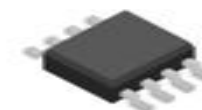
Category	Part No.	Description	Package
Non-Isolated Driver	USL3531	Non-Isolated Buck, Internal 500V MOSFET 12W Max. P _{OUT}	SOP-8
Non-Isolated Driver	USL3532	Non-Isolated Buck, Internal 500V MOSFET 16W Max. P _{OUT}	SOP-8
Non-Isolated Driver	USL3533	Non-Isolated Buck, Internal 500V MOSFET 20W Max. P _{OUT}	SOP-8, DIP-8
Non-Isolated Driver	USL2500	Non-Isolated Buck, Internal 500V MOSFET 11W Max. P _{OUT}	SOP-8
Non-Isolated Driver	USL2502	Non-Isolated Buck, Internal 500V MOSFET 29W Max. P _{OUT}	DIP-8
Non-Isolated Driver	UPSL304	Hi-PF(TM PFC), External MOSFET, 30W Max. P _{OUT}	SOT-26
Non-Isolated Driver	UL83B	Hi-PF(APFC), HV Start, Internal 550V MOSFET 15W Max. P _{OUT}	SOP-8





UTC Parts in LED Lighting

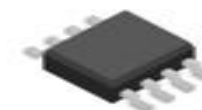
Category	Part No.	Description	Package
Linear Driver	UL52A/B/C	Hi-PF, Internal 250V/450V MOSFET 60mA/60mA/100mA $I_{OUT(MAX.)}$ 9W/12W/18W Max. P_{OUT}	HSOP-8
Linear Driver	UL66A/B/C/D	Internal 500V MOSFET 30mA/40mA/60mA/100mA $I_{OUT(MAX.)}$ 8W/12W/18W/23W Max. P_{OUT}	SOT-223, SOT-89, TO-252
Linear Driver	UL66X	External MOSFET, 60W Max. P_{OUT}	SOT-25
Linear Driver	UL68A/B/C/D	Internal 450V MOSFET, V_{OVC} at 70V 30mA/40mA/60mA/100mA $I_{OUT(MAX.)}$ 8W/12W/18W/23W Max. P_{OUT}	SOT-223, SOT-89, TO-252
Linear Driver	UL68X	External MOSFET, V_{OVC} at 70V, 60W Max. P_{OUT}	SOT-25
Linear Driver	UL67A/B/C	Support SCR Dimming, Internal 450V MOSFET 30mA/40mA/60mA $I_{OUT(MAX.)}$ 5W/7W/9W Max. P_{OUT}	HSOP-8
Linear Driver	UL23EA	Support the adjust Brightness in 3 Grades Support the adjust Color Temperature in 3 Grades Internal 500V MOSFET 60mA $I_{OUT(MAX.)}$, 10W Max. P_{OUT}	HSOP-8





UTC Parts in LED Lighting

Category	Part No.	Description	Package
Current Ripple Remover	ULD5121	100/120Hz current ripple remover controller External MOSFET	SOT-25
Current Ripple Remover	ULD5131	100/120Hz current ripple remover Internal MOSFET, $I_{OUT(MAX.)}=350mA$	SOP-8
Current Ripple Remover	ULD5133	100/120Hz current ripple remover Internal MOSFET, $I_{OUT(MAX.)}=150mA$	SOT-89, SOT-23

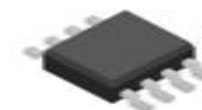




UTC Parts in LED Lighting

Category	Part No.	Description	Package
Buck LED Driver	L3060	5.0~30V _{IN} , 500mA, Buck LED Driver, 1MHz Freq. with Dimming Function	SOT-25
Buck LED Driver	L3080	5.0~30V _{IN} , 800mA, Buck LED Driver, 1MHz Freq. with Dimming Function	SOT-89-5
Buck LED Driver	L3010	4.5~40V _{IN} , 1A, Buck LED Driver, 280KHz Freq.	SOP-8
Buck LED Driver	L3012	6.0~36V _{IN} , 1A, Buck LED Driver, 280KHz Freq. with Dimming Function	SOP-8
Buck LED Driver	L4120	6.0~40V _{IN} , 1.2A, Buck LED Driver, 1MHz Freq. with Dimming Function	SOT-89-5

Category	Part No.	Description	Package
Boost LED Driver	L5107	7~45V _{IN} , External MOSFET, 100KHz~1MHz Adj. Freq. OVP/PWM Dimming Function, 70W Max. P _{OUT}	TSSOP-16
Boost LED Driver	ULC6001	3~6.5V _{IN} , External MOSFET, 500KHz~2.5MHz Programmable Freq. PWM Dimming Function, 60W Max. P _{OUT}	SOP-8

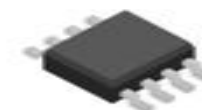




UTC Parts in LED Lighting

Category	Part No.	Description	Package
Bridge Diode	SBS34	$V_R=40V$, $I_F=3A$, $V_F < 0.5V$	ABS
Bridge Diode	ABS10	$V_R=1000V$, $I_F=0.8A$, $V_F < 0.95V$	ABS
Bridge Diode	MB10SU	$V_R=1000V$, $I_F=1A$, $V_F < 1.1V$	ASB, MBS
Bridge Diode	MB10F	$V_R=1000V$, $I_F=1A$, $V_F < 1.1V$	MBF
Bridge Diode	ABS28	$V_R=800V$, $I_F=2A$, $V_F < 0.95V$	ABS
Bridge Diode	UYBS3010	$V_R=1000V$, $I_F=3A$, $V_F < 1V$	YBS

Category	Part No.	Description	Package
Diode	1N4148	High Speed Switching Diode $V_R=100V$, $I_F=200mA$, $V_F=1V$, $T_{RR}=4nS$	SOD-123, SOD-323, SOD-523 SOT-23, SOT-323, SOD-80
Diode	1N4007G	Rectifier, $V_R=1000V$, $I_F=1A$, $V_F=1.1V$	DO-41
Diode	RS1M	Fast Recovery Rectifier $V_R=1000V$, $I_F=1A$, $V_F=1.3V$, $T_{RR}=500nS$	DO-41, SMA
Diode	RS1D	Fast Recovery Rectifier $V_R=200V$, $I_F=1A$, $V_F=1.3V$, $T_{RR}=150nS$	DO-41, SMA





UTC Parts in LED Lighting

Category	Part No.	Description	Package
Low V_F Schottky	MGBR12L45	$V_R=45V$, $I_F=12A$, $V_F < 0.6V$	TO-277
Low V_F Schottky	TGBR10S60	$V_R=60V$, $I_F=10A$, $V_F < 0.5V$	TO-220, TO-220F, TO-252 TO-277
Low V_F Schottky	TGBR5S100	$V_R=100V$, $I_F=5A$, $V_F < 0.6V$	DO-201AD, TO-277, TO-220F1
Low V_F Schottky	MGBR10V100C	$V_R=100V$, $I_F=10A$, $V_F < 0.77V$	TO-220, TO-220F, TO-252
Low V_F Schottky	TGBR30S100C	$V_R=100V$, $I_F=30A$, $V_F < 0.75V$	TO-220, TO-220F, TO-220F1
Low V_F Schottky	MGBR20V200C	$V_R=200V$, $I_F=20A$, $V_F < 0.81V$	TO-220, TO-220F, TO-220F1

UTC TGBR Low V_F Schottky :

@Single

$V_R=40V\sim 200V$, $I_F=3A\sim 30A$, $V_F=0.45V\sim 0.93V$

@Dual

$V_R=45V\sim 150V$, $I_F=10A\sim 60A$, $V_F=0.45V\sim 0.89V$

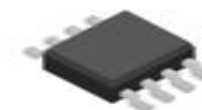
UTC MGBR Low V_F Schottky :

@Single

$V_R=30V\sim 300V$, $I_F=2A\sim 40A$, $V_F=0.43V\sim 0.97V$

@Dual

$V_R=30V\sim 300V$, $I_F=6A\sim 60A$, $V_F=0.4V\sim 0.99V$





UTC Parts in LED Lighting

Category	Part No.	Description	Package
HV MOSFET	4N65-ML	Planar MOSFET, $V_{DSS}=650V$, $I_D=4A$, $R_{DS(ON)}<2.6\ \Omega$	TO-220, TO-220F/F1/F2/F3 TO-251, TO-252, TO-263, PDFN5X6
HV MOSFET	7N65-ML	Planar MOSFET, $V_{DSS}=650V$, $I_D=7A$, $R_{DS(ON)}<1.3\ \Omega$	TO-220, TO-220F/F1/F2 TO-251, TO-252, TO-262 TO-263, PDFN5X6
HV MOSFET	10N65-ML	Planar MOSFET, $V_{DSS}=650V$, $I_D=10A$, $R_{DS(ON)}<1.0\ \Omega$	TO-220, TO-220F/F1/F2, TO-252D, TO-262, TO-263
UTC Planar MOSFET : $V_{DSS}=55V\sim 1500V$ $I_D=0.021A\sim 110A$ $R_{DS(ON)}=0.008\Omega\sim 500\ \Omega$			
SJ MOSFET	5NM70-U2	SJ MOSFET, $V_{DSS}=700V$, $I_D=5.4A$, $R_{DS(ON)}<1.5\Omega$	TO-220, TO-220F/F1/F2 TO-251/S/S2/S4/NS2 TO-252, SOT-223, SOT-223-2
SJ MOSFET	8NM65	SJ MOSFET, $V_{DSS}=650V$, $I_D=8A$, $R_{DS(ON)}<0.75\Omega$	TO-220, TO-220F/F1/F2/F3 TO-251/NS2, TO-252 TO-262, TO-263, PDFN5X6
SJ MOSFET	11NM70-U2	SJ MOSFET, $V_{DSS}=700V$, $I_D=11A$, $R_{DS(ON)}<0.6\Omega$	TO-220, TO-220F/F1 TO-251/S/S2, TO-252
UTC SJ MOSFET : $V_{DSS}=500V\sim 1200V$ $I_D=0.2A\sim 75A$ $R_{DS(ON)}=0.055\Omega\sim 19.2\ \Omega$			

