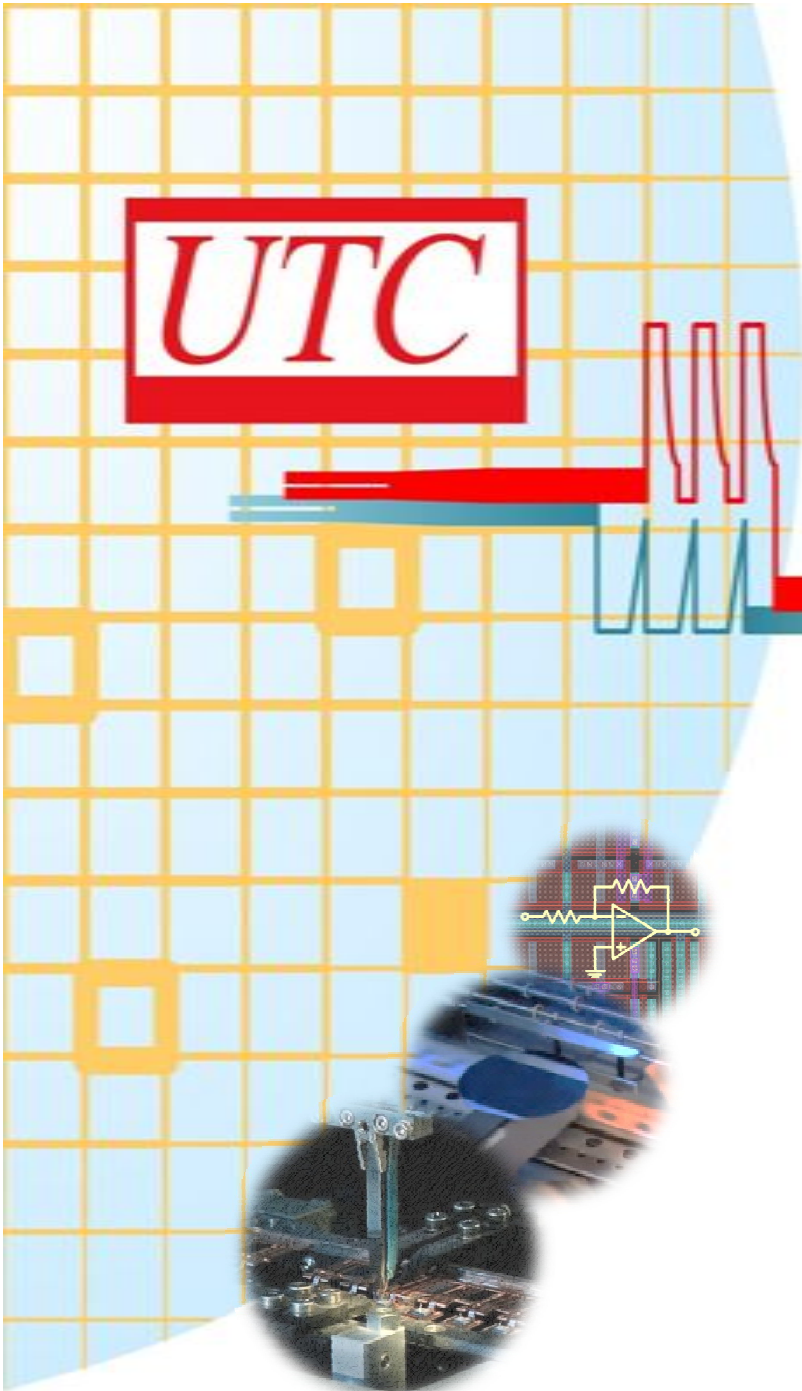




UTC

The background of the slide features a light blue and yellow grid pattern. On the left side, there are several circular inset images: the top one shows a circuit board with a yellow electronic component, the middle one shows a blue electronic component, and the bottom one shows a close-up of a circuit board with various components. A red and blue waveform is also visible on the left side, near the UTC logo.

Unisonic Technologies

Product Introduction

LDO Regulator -Ultra Low IQ -Low IQ

超低漏電穩壓器
LR9280, LR9282, UR56XX
低漏電穩壓器
LR9102, LR9153

Air Flow Induction Switch

氣流感應開關
UEC002, UEC1001

LV MOS -SGT MOS -Trench MOS -Combo MOS

30~40V低壓MOS
分離式閘極技術/溝槽式
USG170N03 (RDS(ON) < 2.64mΩ)
USG100N04 (RDS(ON) < 1.95mΩ)
UT8205A (Combo N-ch)

Battery Charger

鋰電池充電IC
UB2017, UB6054

Transistor

電晶體
MMBT3904, MMBT3906

Battery Protection

鋰電池保護IC
UB2421, UB2422, UB3421

Diode -Schottky Diode

蕭特基二極體
1N5819, B5819WS

Operational Amplifier

運算放大器
ULV335, ULV8551, OP07C





UTC Parts in E-Cigarette

Category	Part No.	Description	Package
LV MOS	UT136N03	N-CH Trench MOS, VDSS=30V, ID=136A, RDS(ON) <3m ohm	TO-220,TO-263
LV MOS	USG04R007	N-CH SGT MOS, VDSS=40V, ID=100A, RDS(ON) <0.7m ohm	PDFN5X6, TOLL-8*
LV MOS	UT70P03	P-CH Trench MOS, VDSS=-30V, ID=-70A, RDS(ON) <7m ohm	TO-220,TO-220F, TO-252,PDFN5X6
LV MOS	UTT50N03L	N-CH Trench MOS, VDSS=30V, ID=50A, RDS(ON) <7.8m ohm	PDFN3X3, PDFN5X6, SOP-8, TO-252
LV MOS	UT3404	N-CH Trench MOS, VDSS=30V, ID=5.8A, RDS(ON) <28m ohm	SOT-23, SOT-26, SOP-8,PDFN3X3
LV MOS	2N7002	N-CH Trench MOS, VDSS=60V, ID=0.3A, RDS(ON) <3 ohm	SOT-23-3
LV MOS	UT2301	P-CH Trench MOS, VDSS=-20V, ID=-2.8A, RDS(ON) <130m ohm	SOT-23, SOT-23-3, SOT-89, SOT-323
Combo MOS	UT8205A	Dual N-CH MOS, VDSS=20V, ID=6A, RDS(ON) <28m ohm	SOT-26, SOP-8, TSSOP-8

UTC SGT MOS :

VDSS = 40V~150V, RDS(ON) = 0.7mΩ~16mΩ

UTC N-CH Trench MOS :

VDSS = 12V~200V, ID = 0.1A~220A, RDS(ON) = 2mΩ~8000mΩ

UTC P-CH Trench MOS :

VDSS = -12V~200V, ID = -0.1A~120A, RDS(ON) = 4.3mΩ~4500mΩ

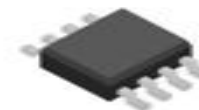




UTC Parts in E-Cigarette

Category	Part No.	Description	Package
Air Flow Induction Switch	UEC002	for Electronic Cigarettes Control, VDD=1.7V~5.0V, IQ<5uA, T=30mS~100mS	SOT-25
Air Flow Induction Switch	UEC1001	for Electronic Cigarettes Control, VDD=2.5V~4.2V, IQ<5uA, T=46mS, TOP_MAX=15S	SOT-26

Category	Part No.	Description	Package
LDO	LR9280	Ultra Low IQ LDO Regulator, IQ<1.5uA, Vin up to 6V, Iout=0.15A, VD<0.35V~1.2V	SOT-25, SOT-23-5, SOT-23, SOT-23-3, SOT-89, SOT-343, DFN2020-6
LDO	LR9282	Ultra Low IQ LDO Regulator, IQ<1.5uA, Vin up to 7V, Iout=0.3A, VD<0.18V~1.0V	SOT-23-3, SOT-23-5, SOT-25, SOT-89, SOT-343, DFN1010-4
LDO	UR76XXH	Ultra Low IQ LDO Regulator, IQ<6~20uA, Vin up to 36V, Iout=0.5A, VD<0.16V~0.2V	SOT-23, SOT-23-5, SOT-25, SOT-89, SOT-223, SOP-8
LDO	LR9102	Low IQ LDO Regulator, IQ<90uA, Vin up to 6V, Iout=0.3A, VD<0.19V~1.0V	SOT-23-3, SOT-23, SOT-23-5, SOT-25, SOT-353, DFN1616-6, DFN1820-6, DFN2020-6
LDO	LR9153	Low IQ LDO Regulator, IQ<80uA, Vin up to 6V, Iout=0.5A, VD=0.3V~0.87V	SOT-25, DFN1010-4, DFN2020-6





UTC Parts in E-Cigarette

Category	Part No.	Description	Package
Battery Protection	UB2421	One Cell Li-Battery Protection, VDD=1.8V~6.5V, IDD<8uA, VOCU=4.3V, VOCR=4.1V, VODL=2.4V, VODR=3.0V, VOI1=0.15V	SOT-26
Battery Protection	UB2422	One Cell Li-Battery Protection, VDD=1.8V~6.5V, IDD<8uA, VOCU=3.9V~4.5V, VOCR=3.8V~4.5V, VODL=2V~3V, VODR=2V~3V, VOI1=0.1V~0.2V	SOT-26
Battery Protection	UB3421	One Cell Li-Battery Protection, VDD=1.8V~6.5V, IDD<8uA, VOCU=3.9V~4.4V, VOCR=3.8V~4.4V, VODL=2V~3V, VODR=2V~3.4V, VOI1=0.1V~0.2V	SOT-26

Category	Part No.	Description	Package
Battery Charger	UB2017	One Cell Li-Battery Charger, VCC=4.5V~6V, IBAT=0.5A, VFLOA=4.2V	SOT-26
Battery Charger	UB6054	One Cell Li-Battery Charger, VCC=4.5V~6V, IBAT=0.5A, VFLOA=4.2V	SOT-25

Category	Part No.	Description	Package
OP	ULV335	Zero-Drift, Single Operational Amplifier, Rail-to-Rail Output , VCC=2.7V~5.5V, IQ<600uA, VIO<20uV, SR=1.6V/uS, BW=2MHz	SOP-8, SOT-25
OP	ULV8551XK	Zero-Drift, Single Operational Amplifier, Rail-to-Rail Input/Output , VCC=2.7V~5V, IQ<870uA, VIO<45uV, SR=2V/uS, BW=3.2MHz	SOT-25
OP	OP07C	Very Low Offset Voltage, Single Operational Amplifier, External offset voltage Adjustment, VCC=±3V~±18V, IQ<5mA, VIO=60uV, SR=0.3V/uS, BW=0.6MHz	DIP-8, SOP-8





UTC Parts in E-Cigarette

Category	Part No.	Description	Package
Transistor	MMBT3904	NPN Transistor, VCBO=60V, VCEO=40V, IC=200mA, VCE(SAT)<0.2V, hFE=100~300	SOT-23, SOT-323, SOT-523, SOT-723
Transistor	MMBT3906	PNP Transistor, VCBO=-40V, VCEO=-40V, IC=-200mA, VCE(SAT)<0.25V, hFE=100~300	SOT-23, SOT-323, SOT-523

Category	Part No.	Description	Package
Diode	1N5819	Schottky Diode, VR=40V, IF=1A, VF<0.6V	SOD-123, SOD-123S
Diode	B5819WS	Schottky Diode, VR=40V, IF=1A, VF<0.6V	SOD-323

