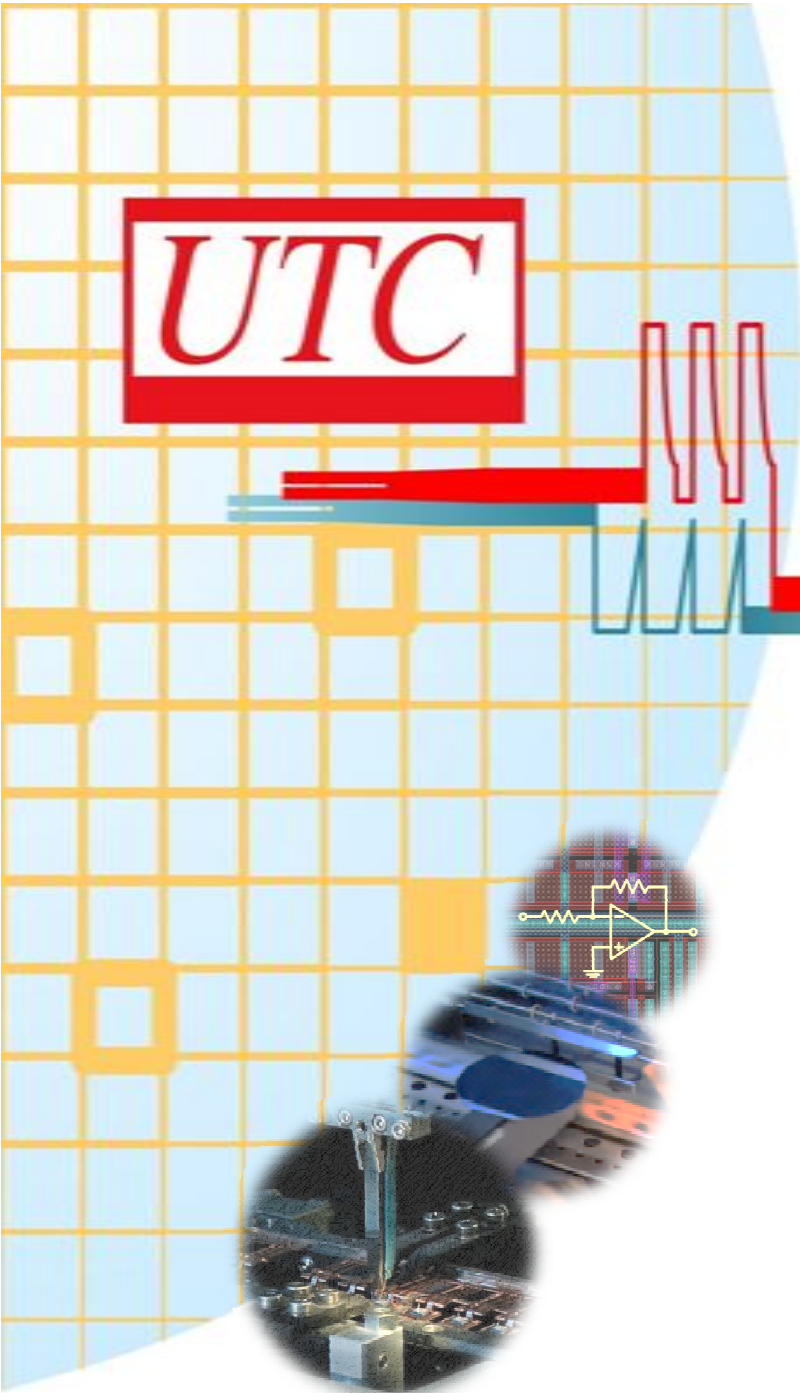


The background of the slide features a light blue grid with yellow squares. On the left, there is a red-bordered box containing the text 'UTC' in a red serif font. Below this box, there are several overlapping circular images: a circuit board, a mechanical component, and a close-up of a microchip. To 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



Welding Machine Solution

MOSFET Transistor

功率開關/電晶體

FRD

快速恢復二極體

IGBT

絕緣柵雙極性
電晶體

SCR

矽控整流器

BiMOS OP Amp.*

運算放大器

PWM Controller

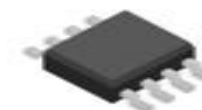
PWM開關控制器

Linear Regulator

線性穩壓IC

Photocoupler

光電耦合器





UTC Parts in Welding Machine

Category	Part No.	Description	Package
Current Mode PWM Controller	UC3846	8.0~40V _{IN} , 5.1V _{REF} , Adj. f _{OSC(MAX.)} =500KHz 500mA Sink/Source Current, UVLO, OSC Sync	DIP-16, SOP-16, SOP16W
Voltage Mode PWM Controller	U3525	8.0~35V _{IN} , 5.1V _{REF} , Adj. f _{OSC} =100Hz~400KHz 500mA Sink/Source Current, DT Control, OSC Sync.	DIP-16, SOP-16, SOP16W SOP-16N

Category	Part No.	Description	Package
Photocoupler	UPC817	35V _{CEO} , 50mA I _C , 6V _R , 60mA I _F , 5000V _{RMS} V _{ISO} A/B/C/D/X/Y Rank CTR=50~600%	DIP-4, DIP-4M, SMD-4,DIP-4C ,DIP-4MC,SMD-4C
Photocoupler	UPC816	80V _{CEO} , 50mA I _C , 6V _R , 60mA I _F , 5000V _{RMS} V _{ISO} A/B/C/D/X/Y Rank CTR=50~600%	DIP-4, DIP-4M, SMD-4 ,SMD-4C,DIP-4C
Photocoupler	UTC10XX	80V _{CEO} , 50mA I _C , 6VR, 60mA I _F , 5000V _{RMS} V _{ISO} 00~10/14/15/18/19 Rank CTR=50~600%	LSOP-4

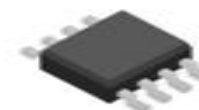
Category	Part No.	Description	Package
Voltage Regulator	LM7805A	35V _{IN} , 1.5A, 5.0V Fixed Output, 80dB PSRR, 40μVrms eN	TO-220, TO-220F, TO-220F2
Voltage Regulator	LM7812A	35V _{IN} , 1.5A, 12V Fixed Output, 72dB PSRR, 75μVrms eN	TO-220, TO-220F, TO-220F2
Voltage Regulator	LM7815A	35V _{IN} , 1.5A, 15V Fixed Output, 70dB PSRR, 90μVrms eN	TO-220, TO-220F, TO-220F2
Negative Voltage Regulator	LM7915A	-35V _{IN} , -1.5A, -15V Fixed Output, 60dB PSRR, 250μVrms eN	TO-220, TO-220F





UTC Parts in Welding Machine

Category	Part No.	Description	Package
MOSFET	UF9Z24-F	-55V _{DS} , -12A, P-MOSFET, R _{DS(ON)} <150mΩ C _{ISS} =640pF, Q _G =19.3nC	TO-220, TO-263, TO-252
MOSFET	UF9530	-100V _{DS} , -14A, P-MOSFET, R _{DS(ON)} <200mΩ C _{ISS} =760pF, Q _G <58nC	TO-220, TO-251, TO-252
MOSFET	UF9640	-200V _{DS} , -11A, P-MOSFET, R _{DS(ON)} <0.5Ω C _{ISS} =1200pF, Q _G <44nC	TO-220, TO-220F, TO-220F4 TO-263, TO-252
MOSFET	UFZ24N-F	55V _{DS} , 17A, N-MOSFET, R _{DS(ON)} <43mΩ C _{ISS} =710pF, Q _G =26.5nC	TO-220, TO-252
MOSFET	UF640-HC	200V _{DS} , 18A, N-MOSFET, R _{DS(ON)} <0.18Ω C _{ISS} =840pF, Q _G =20nC	TO-247, TO-251, TO-252 TO-220, TO-220F/F1/F2, TO-262, TO-263, TO-3PN, SOP-8
MOSFET	4N150-E3	1500V _{DS} , 4A, N-MOSFET, R _{DS(ON)} <6.3Ω C _{ISS} =1132pF, Q _G =45nC	TO-3PF, TO-220, TO-247
MOSFET	UTT10NP06	±60V _{DS} , ±10A, N & P-Channel MOSFET N-Ch: R _{DS(ON)} <56mΩ, P-Ch: R _{DS(ON)} <68mΩ	TO-220-5, TO-252-4, SOP-8 DFN5060-8
Category	Part No.	Description	Package
IGBT	UTG25N120-H	1200V _{CES} , 50A, N-Channel, V _{CE(SAT)} <2.0V C _{IES} =2070pF, Q _G =267nC	TO-247
IGBT	UTG40N120FQ-S	1200V _{CES} , 80A, N-Channel, V _{CE(SAT)} <2.2V C _{IES} =2370pF, Q _G =107.7nC	TO-247, TO-3P, TO-3PN





UTC Parts in Welding Machine

Category	Part No.	Description	Package
Ultra Fast Diode	UA60UP30	$300V_{RRM}$, $30A I_F$, $1.5V_F$, $55ns T_{RR}$	TO-3P, TO-3PB, TO-247S, TO-247
Ultra Fast Diode	UFR8040C	$400V_{RRM}$, $80A I_F$, $1.3\sim 1.8V_F$, $40ns T_{RR}$	TO-247, TO-3P

Category	Part No.	Description	Package
SCR	MCR100	200~800V 1A SCR	SOT-23 SOT-89 SOT-223 TO-92

Category	Part No.	Description	Package
Transistor	8050S	$20V_{CEO}$, 700mA, NPN, $h_{FE}=120\sim 400$	SOT-23, TO-92
Transistor	8550S	$-20V_{CEO}$, -700mA, PNP, $h_{FE}=120\sim 400$	SOT-23, TO-92

