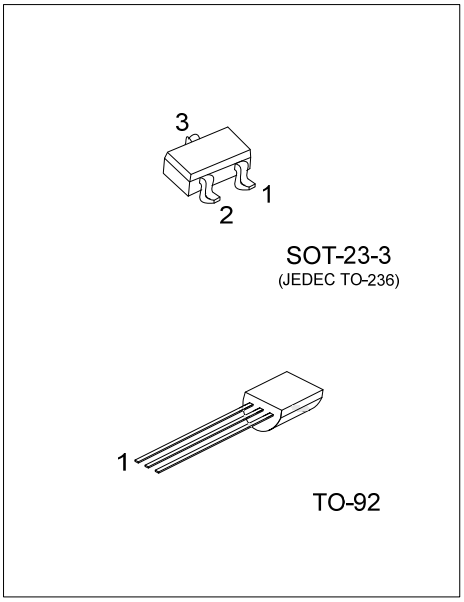
UAS16V **Preliminary** ***LINEAR INTEGRATED CIRCUIT***

WIDE OPERATING VOLTAGE RANGE REGULATOR



■ DESCRIPTION

The IC is a wide operating range regulator of fixed output voltage 17.4V.

■ FEATURES

* Operating voltage range: 20V~80V
* Fixed output voltage: 17.4V @ 25°C

■ ORDERING INFORMATION

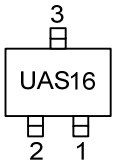
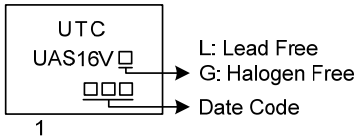
Ordering Number		Package	Packing
Lead Free	Halogen Free		
UAS16VL-AE2-R	UAS16VG-AE2-R	SOT-23-3	Tape Reel
UAS16VL-T92-B	UAS16VG-T92-B	TO-92	Tape Box
UAS16VL-T92-K	UAS16VG-T92-K	TO-92	Bulk

UAS16VG-AE2-R

(1)Packing Type
(2)Package Type
(3)Green Package

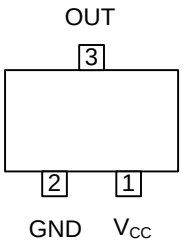
(1) R: Tape Reel, B: Tape Box, K: Bulk
(2) AE2: SOT-23-3, T92: TO-92
(3) G: Halogen Free and Lead Free, L: Lead Free

■ MARKING

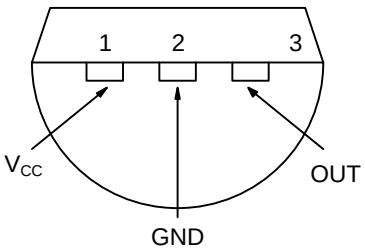
SOT-23-3	TO-92
	

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■ PIN CONFIGURATIONS



SOT-23-3

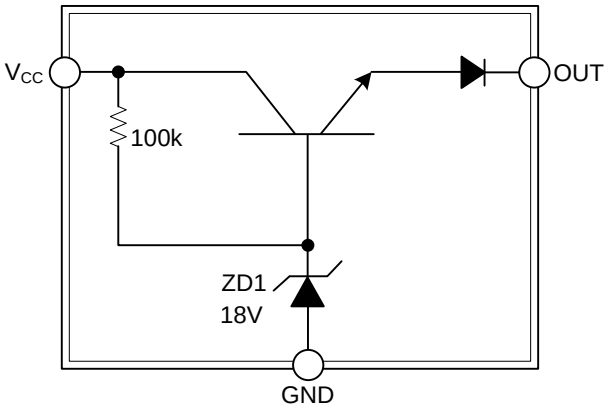


TO-92

■ PIN DESCRIPTION

PIN NO.	PIN NAME	DESCRIPTION
1	V_{CC}	Power Supply
2	GND	Ground
3	OUT	Output

■ BLOCK DIAGRAM



■ ABSOLUTE MAXIMUM RATING

PARAMETER		SYMBOL	RATINGS	UNIT
Input Voltage		V_{CC}	80	V
Output Current		I_O	0.055	A
Power Dissipation	SOT-23-3	P_D	0.300	W
	TO-92		0.625	W
Operating Temperature		T_J	-40 ~ +125	°C
Storage Temperature		T_{STG}	-60 ~ +150	°C

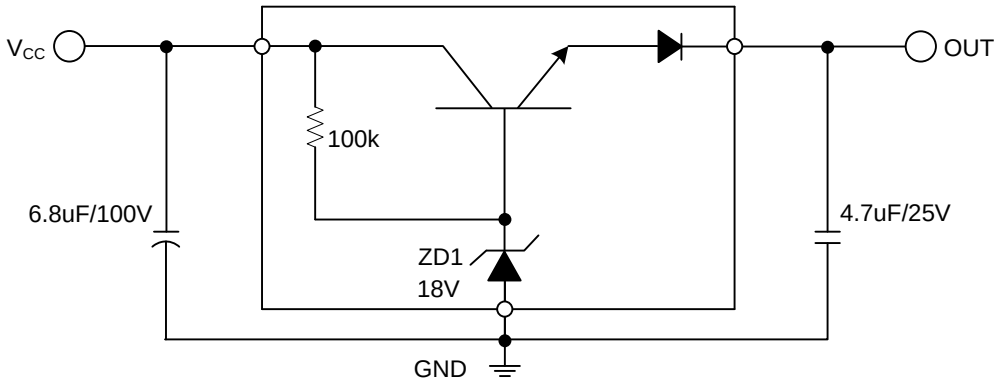
Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged. Absolute maximum ratings are stress ratings only and functional device operation is not implied.

■ ELECTRICAL CHARACTERISTICS

(V_{CC}=5.0V, T_A=25°C. All voltage referenced to GND unless otherwise specified.)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Supply Voltage	V_{CC}	Operating Voltage	20		80	V
Power Supply Current	I_{CC}	V_{CC}=40V		0.22	0.3	mA
		V_{CC}=80V		0.62	0.85	mA
Output Voltage	V_{OUT}	V_{CC}=40V, I_{OUT}=1mA	16.9	17.4	18.9	V
		V_{CC}=40V, I_{OUT}=10mA	16.8	17.3	18.8	V
		V_{CC}=80V, I_{OUT}=1mA	17.0	17.5	18.0	V
		V_{CC}=80V, I_{OUT}=10mA	17.0	17.5	18.0	V
		V_{CC}=80V, I_{OUT}=30mA	16.9	17.4	18.9	V

■ TYPICAL APPLICATION CIRCUIT



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