
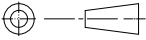


TOP VIEW

					
DRAWN BY	DATE	THIRD ANGLE PROJECTION		<i>IC VREF 0.2V TO 18V (SC-70)</i>	
<i>P.E.IENI</i>	<i>10/03/05</i>				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES- TOLERANCES ARE: FRACTIONS DECIMALS ANGLES *1/64 .XX= *.01 ±1° .XXX=*.005		SIZE	FSCM NO.	DWG NO	REV
		A	67131	30515	1
		DO NOT SCALE DRAWING	SCALE NONE	SHEET 3 OF 3	


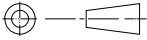
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SEE SHEET 1

ELECTRICAL CHARACTERISTICS

(Vin=3.3V, OUT=FB, Iout=5mA, Ta=-40°C to +85°C unless otherwise specified, Typical values are at Ta=+25°C)

SYMBOL	PARAMETER	TEST CONDITION	MIN	Typ	MAX	UNITS
Vin	IN Voltage Range		1.7		28	V
Iin	IN Supply Current	Vin=+25°C, Iout=0.3mA Iout=10mA		0.5 2.5	1 4	mA
	FB Threshold Accuracy	Ta=+25°C	0.597	0.6	0.603	V
		Ta=0°C to +85°C	0.595	0.6	0.605	V
		Ta=-40°C to +85°C	0.594	0.6	0.606	V
	FB Load Regulation	Iout=1mA to 20mA		3.8	6	mV
	FB Line Regulation	Vin=2V to 28V Vin=1.7V to 28V		0.2	1 1.5	mV
	FB Output Voltage Regulation	Vout=0.2V to 18V, Iout=1mA		0.2	1	mV
Ifb(bias)	FB Input Bias Current	Vin=28V	-0.1	0.02	+0.1	μA
Vout	OUT Voltage Range		0.2		18	V
Iout(max)	Maximum Output Current	Vout=0.2V, Vin=2V, Vfb=0.63V	20			mA
Iout(leak)	Output Leakage Current	Vin=28V, Vout=18V, Ta=+25°C Vfb=0V, Ta=+85°C		0.001 0.03	0.1	μA
Zout	Dynamic Output Impedance	Iout=1mA to 20mA, f<1kHz		0.2	0.32	Ω

			
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		A	1
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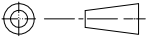
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	1	RELEASED PER E063492	AK	12/18/06 MH

ABSOLUTE MAXIMUM RATINGS

IN to GND	-0.3V TO +30V
OUT to GND	-0.3V TO +20V
FB to GND	-0.3V to the lower of 5.5V and (Vin +0.3V)
PGND to GND	-0.3V to +0.3V
Continuous Power Dissipation (Ta=+70°C)	
5 PIN SC70 (derate 3.1 mW/°C above +70°C)	246.9 mW
Operating Temperature Range	-40°C to +85°C
Junction Temperature Range	-40°C to +150°C
Storage Temperature Range	-65°C to +150°C
Lead Temperature (soldering 10s)	+300°C

NOTES:

1. RoHS COMPLIANT, LEAD FREE PER CST-0001 LATEST REVISION.
2. FOR PACKAGE OUTLINE DRAWING SEE VICOR DRAWING 28903.

					
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