

TECHNICAL DATA
DATA SHEET 4021, REV. B

LOW DROP NEGATIVE 5V 1.0 AMP REGULATOR

FEATURES:

- ISOLATED HERMETIC PACKAGE
- SIMILAR TO INDUSTRY TYPE LM2990-5

MAXIMUM RATINGS

Parameter	Limit	Units
Input to Output Voltage Differential	-26.0	Vdc
Storage Temperature Range	-65 to +150	°C
Power Dissipation (P _D)	Internally limited	
Maximum Thermal Resistance Junction to Case (θ _{JC})	3.5	°C/W
Maximum Junction Temperature (T _J)	125	°C

ELECTRICAL CHARACTERISTICS

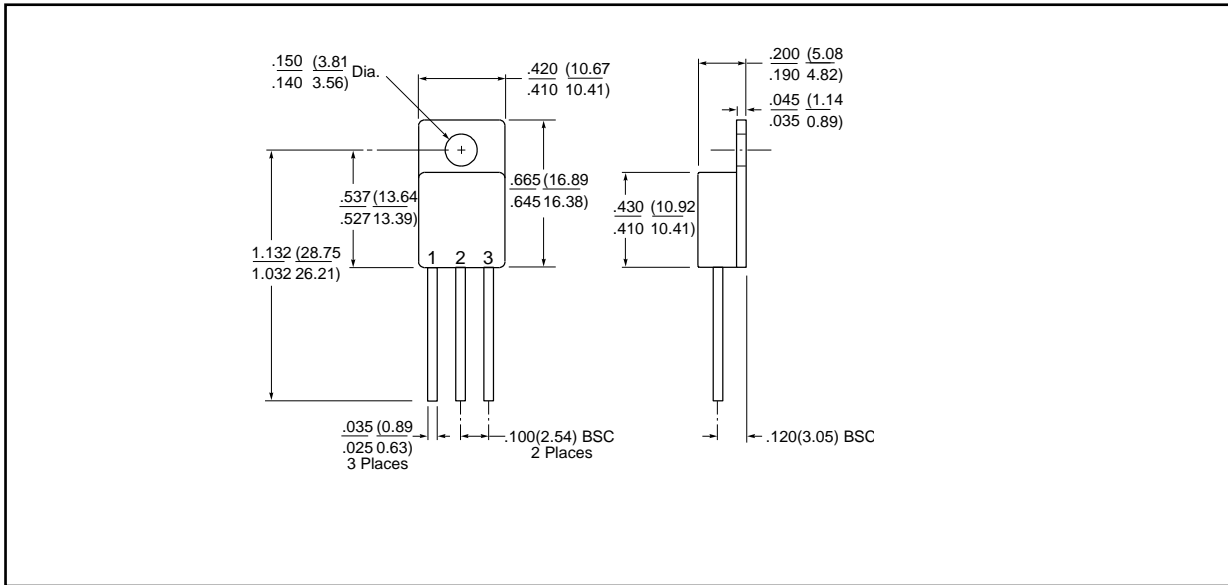
All ratings are at T_A = 25°C unless otherwise specified.

Parameter	Conditions	Min	Max	Units
Output Voltage (V _{OUT})	V _{IN} = -10V, 5 mA < I _{OUT} < 1.0A	-5.10	-4.90	V
Line Regulation (V _{RLINE})	-6V ≤ V _{IN} ≤ 26V; I _{OUT} = 5 mA		± 40	mV
Load Regulation (V _{RLOAD})	50 mA ≤ I _{OUT} ≤ 1A, V _{IN} = -10V		± 40	mV
Drop Out Voltage (V _{DO})	I _o = 0.1A I _o = 1.0A		0.3 1.0	V
Quiescent Current (I _Q)	5 mA < I _{OUT} < 1.0A		5	mA
Current Limit (I _{CL})	V _{IN} = -10V, R _L = 1Ω	1.5		A
Ripple Rejection (ΔV _{IN} / ΔV _{OUT}) ¹	V _{IN} = -10V, f = 1 KHz V _{ripple} = 1V _{rms} , I _{OUT} = 5 mA	50		dB
Output Noise Voltage (N _O) ¹	10 Hz ~ 100 KHz, I _{OUT} = 5 mA		750	mV

¹Guaranteed but not tested

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MECHANICAL DIMENSIONS



TO-257

PINOUT TABLE

TYPE	PIN 1	PIN 2	PIN 3
TO - 257, 1.0A Regulator	Common	V _{IN}	V _{OUT}

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