

ELECTRICAL CHARACTERISTICS

PARAMETER	TEST CONDITIONS	TEMPERATURE	TYPICAL
*Output voltage	$I_{OUT} = 1.0 \text{ A}$ $V_{IN} = V_{OUT} + 3 \text{ VDC}$	+25°C to +200°C	$V_{OUT} \pm 1.0\%$
*Line regulation	$V_{IN} = (V_{OUT} + 3 \text{ VDC})$ to +38 DC $I_{OUT} = 50 \text{ mA}$	+25°C to +200°C	$V_{OUT} \pm 0.5\%$
Load regulation	$V_{IN} = V_{OUT} + 5 \text{ VDC}$ $I_{OUT} = 0.05 \text{ to } 1.0 \text{ A}$	+25°C to +200°C	$V_{OUT} \pm 0.5\% @ 25^\circ\text{C}$ $\pm 1.0\% @ 200^\circ\text{C}$
Ripple rejection at 120 Hz	$V_{IN} = V_{OUT} + 5 \text{ VDC}$ $I_L = 300 \text{ mA}$	+25°C	-50 dB
Standby current	$V_{IN} = V_{OUT} + 5 \text{ VDC}$ $I_{OUT} = 0$	+25°C	30 mA
Short circuit current	$V_{IN} = V_{OUT} + 5 \text{ VDC}$	+25°C	400 mA
Short circuit current	$V_{IN} = V_{OUT} + 5 \text{ VDC}$	+200°C	200 mA
Foldback current (knee)	$V_{IN} = V_{OUT} + 5 \text{ VDC}$	+25°C	2 A
Foldback current (knee)	$V_{IN} = V_{OUT} + 5 \text{ VDC}$	+200°C	1.5 A
Noise output	$V_{IN} = V_{OUT} + 5 \text{ VDC}$ $I_{OUT} = 300 \text{ mA}$	+25°C	2 mVRMS
Differential voltage ($\Delta V = V_{IN} - V_{OUT}$)	$I_{OUT} = 300 \text{ mA}$	+25°C to +200°C	3 VDC MIN

* $V_{IN} = 10\text{V Min}$

TABLE 1 (see note)

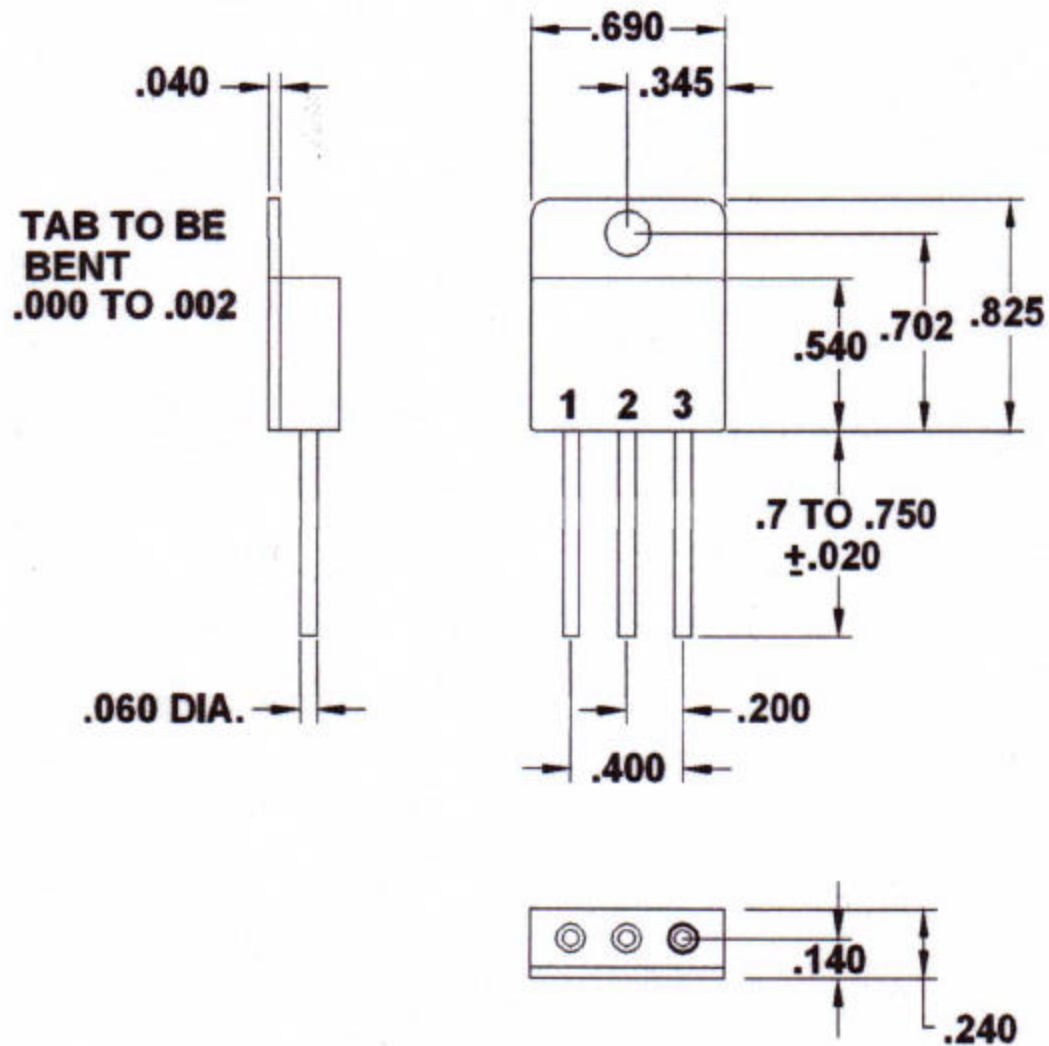
TYPE	V_{OUT} (volts)	MAX I_{OUT} (amps)	I_{KNEE} TYP (amps at 25°C)
42118-005	5	1.0	2.0
42118-012	12	1.0	2.0
42118-015	15	1.0	2.0
42118-018	18	1.0	2.0
42118-024	24	1.0	2.0
42118-030	30	1.0	2.0

NOTE: Under condition $(V_{IN} - V_{OUT}) \times I_{OUT} \leq 8 \text{ watts at } 200^\circ\text{C}$

- Option: 1) Other output voltage available
2) MIL-STD-883 type screening available

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Micropac reserves the right to make changes at any time in order to improve design and to supply the best product possible.

Mechanical Configuration



*** ALL DIMENSIONS IN INCHES**

Pin	Function
1	V _{OUT}
2	Common
3	V _{IN}

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