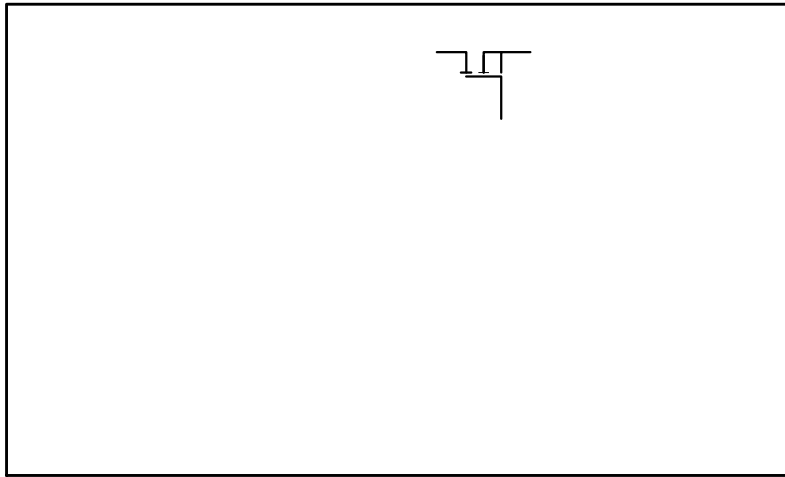


**LDO Regulator, 1 A,
Unregulated, CMOS,
Bias Resistor**

Product Preview

**T30LMPSR131,
T30LAPSR131**

The T30LxPSR131 is a 1 A LDO equipped with an NMOS pass transistor and a separate bias supply voltage (V



*Active output discharge function is present only in "A" and "C" option devices.



($-40\text{ }^{\circ}\text{C} \leq T_J \leq 125\text{ }^{\circ}\text{C}$; $V_{\text{BIAS}} = 2.7\text{ V}$ or $(V_{\text{OUT}} + 1.6\text{ V})$, whichever is greater, $V_{\text{IN}} = V_{\text{OUT(NOM)}} + 0.1\text{ V}$, $I_{\text{OUT}} = 1\text{ mA}$, $V_{\text{EN}} = 1\text{ V}$, $C_{\text{IN}} = 4.7\text{ }\mu\text{F}$, $C_{\text{OUT}} = 10\text{ }\mu\text{F}$, $C_{\text{BIAS}} = 1\text{ }\mu\text{F}$, unless otherwise noted.
 Typical values are at $T_J = +25\text{ }^{\circ}\text{C}$. Min/Max values are for $-40\text{ }^{\circ}\text{C} \leq T_J \leq 125\text{ }^{\circ}\text{C}$ unless otherwise noted. (Note 4))

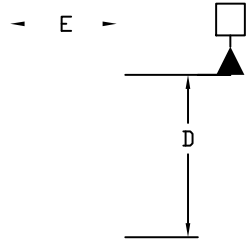
Operating Input Voltage Range		V_{IN}	$V_{\text{OUT}} + V_{\text{DO}}$		2.2	V
Operating Bias Voltage Range		V_{BIAS}	$(V_{\text{OUT}} +$			



(continued)

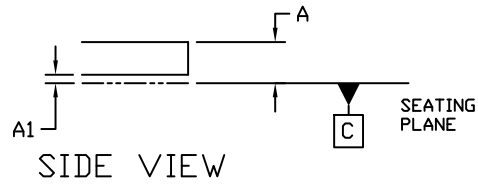
($-40\text{ }^{\circ}\text{C} \leq T_J \leq 125\text{ }^{\circ}\text{C}$; $V_{\text{BIAS}} = 2.7\text{ V}$ or $(V_{\text{OUT}} + 1.6\text{ V})$, whichever is greater, $V_{\text{IN}} = V_{\text{OUT(NOM)}} + 0.1\text{ V}$, $I_{\text{OUT}} = 1\text{ mA}$, $V_{\text{EN}} = 1\text{ V}$, $C_{\text{IN}} = 4.7\text{ }\mu\text{F}$, $C_{\text{OUT}} = 10\text{ }\mu\text{F}$, $C_{\text{BIAS}} = 1\text{ }\mu\text{F}$, unless otherwise noted.
Typical values are at $T_J = +25\text{ }^{\circ}\text{C}$. Min/Max values are for $-40\text{ }^{\circ}\text{C} \leq T_J \leq 125\text{ }^{\circ}\text{C}$ unless otherwise noted. (Note 4))





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3. COPLANARITY APPLIES TO THE SPHERICAL



DIM	MILLIMETERS	
	MIN.	NOM.
A	---	---
A1	0.04	0.06
A2		
D		
e	0.400 BSC	

BOTTOM VIEW

⌀ AND TDI

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