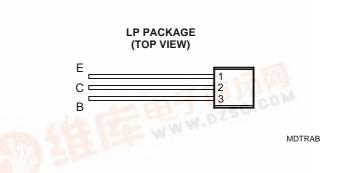
查询TIPP115供应商

捷多邦,专业PCB打样工厂,24小时加急出货 TIPP115,TIPP116,TIPP117 PNP SILICON POWER DARLINGTONS

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- 20 W Pulsed Power Dissipation
- 100 V Capability
- 2 A Continuous Collector Current
- 4 A Peak Collector Current



absolute maximum ratings at 25°C case temperature (unless otherwise noted)

RATING			VALUE	UNIT	
	TIPP115		-60		
Collector-base voltage $(I_E = 0)$	TIPP116	V _{CBO}	-80	V	
	TIPP117	= He ?	-100		
	TIPP115	AC WW	-60		
Collector-emitter voltage ($I_B = 0$)	TIPP116	V _{CEO}	-80	V	
	TIPP117		-100		
Emitter-base voltage			-5	V	
Continuous collector current			-2	A	
Peak collector current (see Note 1)	I _{CM}	-4	A		
Continuous base current			-50	mA	
Continuous device dissipation at (or below) 25°C case temperature (see	P _{tot}	0.8	W		
Pulsed power dissipation (see Note 3)	Ρ _T	20	W		
Operating junction temperature range	Tj	-55 to +150	°C		
Storage temperature range	T _{stg}	-55 to +150	°C		
Lead temperature 3.2 mm from case for 10 seconds	The set W	260	°C		

NOTES: 1. This value applies for $t_p \le 0.3$ ms, duty cycle $\le 10\%$.

2. Derate linearly to 150°C case temperature at the rate of 0.32 W/°C.

3. $V_{CE} = 20 \text{ V}, \text{ I}_{C} = 1 \text{ A}, \text{ P}_{W} = 10 \text{ ms}, \text{ duty cycle} \le 2\%.$



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with the terms of Power Innovations standard warranty. Production processing does not



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electrical characteristics at 25°C case temperature

PARAMETER		TEST CONDITIONS			MIN	ТҮР	MAX	UNIT
V _{(BR)CEO}	Collector-emitter breakdown voltage			TIPP115	-60			
		I _C = -10 mA	$I_B = 0$	TIPP116	-80			V
		(see Note 4)		TIPP117	-100			
I _{CEO}	Collector-emitter cut-off current	V _{CE} = -30 V	$V_{BE} = 0$	TIPP115			-2	
		$V_{CE} = -40 V$	$V_{BE} = 0$	TIPP116			-2	mA
		V _{CE} = -50 V	$V_{BE} = 0$	TIPP117			-2	
I _{CBO}	Collector-base	V _{CE} = -60 V	I _B = 0	TIPP115			-1	
	cut-off current	V _{CE} = -80 V	$I_B = 0$	TIPP116			-1	mA
		V _{CE} = -100 V	$I_B = 0$	TIPP117			-1	
I _{EBO}	Emitter cut-off current	V _{EB} = -5 V	I _C = 0				-2	mA
h _{FE}	Forward current	V _{CE} = -4 V	I _C = -1 A	(see Notes 4 and 5)	1000			
	transfer ratio	V _{CE} = -4 V	I _C = -2 A		500			
V _{CE(sat)}	Collector-emitter	I _B = -8 mA	I _C = -2 A	(see Notes 4 and 5)			2.5	V
	saturation voltage						-2.5	v
V_{BE}	Base-emitter	V _{CE} = -4 V	I _C = -2 A	(see Notes 4 and 5)			-2.8	V
	voltage						-2.0	v
V_{EC}	Parallel diode	I _E = -4 A	I _B = 0	(see Notes 4 and 5)			-3.5	V
	forward voltage						-3.5	v

NOTES: 4. These parameters must be measured using pulse techniques, t_p = 300 µs, duty cycle ≤ 2%.
5. These parameters must be measured using voltage-sensing contacts, separate from the current carrying contacts.

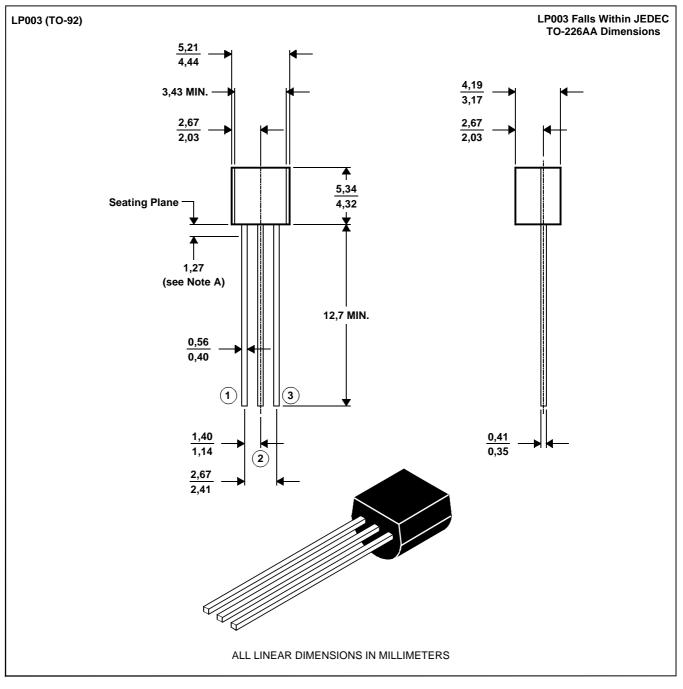
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MECHANICAL DATA

LP003 (TO-92)

3-pin cylindical plastic package

This single-in-line package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.



NOTE A: Lead dimensions are not controlled in this area.





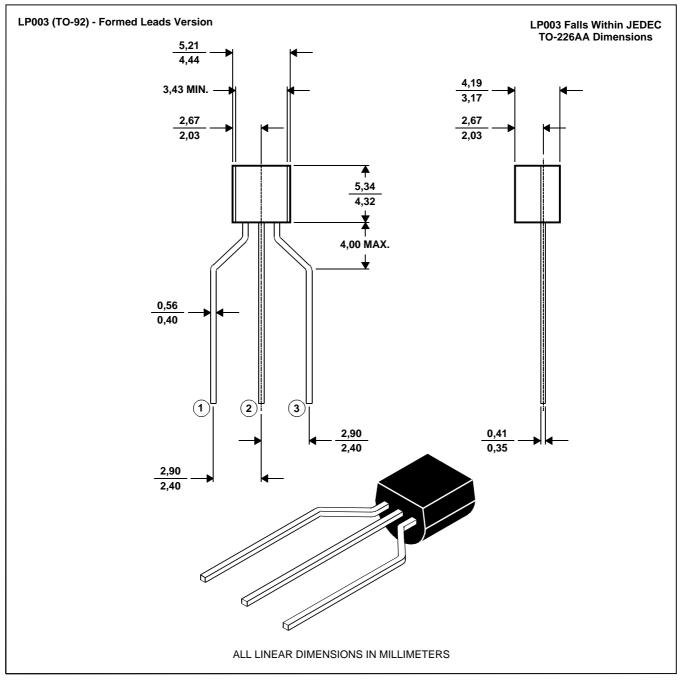
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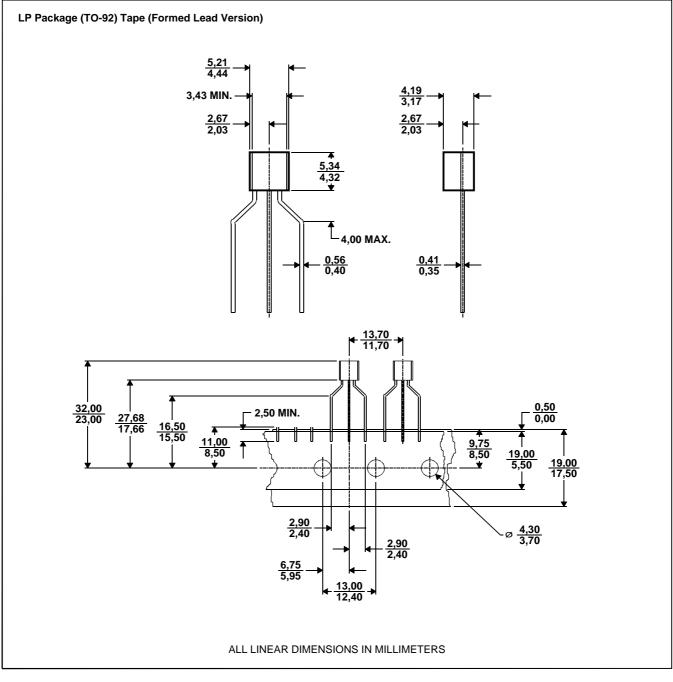


MDXXAR

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MECHANICAL DATA

LPR tape dimensions



MDXXAS



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