捷多邦,专业PCB打样工厂,24小时加急出货

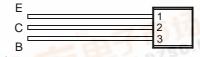
TIPP32, TIPP32A, TIPP32B, TIPP32C PNP SILICON POWER TRANSISTORS

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- 20 W Pulsed Power Dissipation 150 GDM
- 100 V Capability
- 2 A Continuous Collector Current
- 4 A Peak Collector Current
- Customer-Specified Selections Available





MDTRAB

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

RATING			VALUE	UNIT	
	TIPP32		-40	4	
Collector has a voltage /I O	TIPP32A	V	-60	V	
Collector-base voltage (I _E = 0)	TIPP32B	V _{CBO}	-80		
	TIPP32C	WWW.	-100		
	TIPP32		-40		
Collector-emitter voltage (I _B = 0)	TIPP32A	\/	-60	V	
	TIPP32B	V_{CEO}	-80		
	TIPP32C		-100		
Emitter-base voltage	V _{EBO}	-5	V		
Continuous collector current	I _C	-2	Α		
Peak collector current (see Note 1)	I _{CM}	-4	Α		
Continuous base current	I _B	-1	Α		
Continuous device dissipation at (or below) 25°C case temperature (see Note 2)			0.8	W	
Pulsed power dissipation (see Note 3)	P _{tot}	20	W		
Operating junction temperature range	T _{j. vol.} W	-55 to +150	°C		
Storage temperature range	T _{stg}	-55 to +150	°C		
Lead temperature 3.2 mm from case for 10 seconds	T _L	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 6.4 mW/°C.

3. $V_{CE} = 20 \text{ V}$, $I_{C} = 1 \text{ A}$, $t_{p} = 10 \text{ ms}$, duty cycle $\leq 2\%$.



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electrical characteristics at 25°C case temperature

PARAMETER		TEST CONDITIONS			MIN	TYP	MAX	UNIT
V _{(BR)CEO}	Collector-emitter breakdown voltage		I _B = 0	TIPP32	-40			
		I _C = -5 mA (see Note 4)		TIPP32A	-60			V
				TIPP32B	-80			
				TIPP32C	-100			
	Collector-emitter cut-off current	V _{CE} = -40 V	$V_{BE} = 0$	TIPP32			-0.2	
I _{CES}		V _{CE} = -60 V	$V_{BE} = 0$	TIPP32A			-0.2	mA
		$V_{CE} = -80 \text{ V}$	$V_{BE} = 0$	TIPP32B			-0.2	
		V _{CE} = -100 V	$V_{BE} = 0$	TIPP32C			-0.2	
I _{CEO}	Collector cut-off	V _{CE} = -30 V	I _B = 0	TIPP32/32A			-0.3	mA
	current	$V_{CE} = -60 \text{ V}$	$I_B = 0$	TIPP32B/32C			-0.3	
I _{EBO}	Emitter cut-off	\/ - F\/	1 - 0				-1	mA
	current	V _{EB} = -5 V	$I_C = 0$				-1	111/5
h _{FE}	Forward current	V _{CE} = -4 V	I _C = -1 A	(see Notes 4 and 5)	20			
	transfer ratio	V _{CE} = -4 V	$I_C = -2 A$	(See Notes 4 and 5)	10			
V _{CE(sat)}	Collector-emitter	I _B = -375 mA	I _C = -2 A (see Notes 4 and 5)	(see Notes 4 and 5)			-1	V
	saturation voltage	IB = -370 IIIA				- '	•	
V _{BE}	Base-emitter	Va= -4V	$_{CE}$ = -4 V I_{C} = -2 A (see Notes 4 and 5)	(see Notes 4 and 5)			-1.5	V
	voltage	ACE - AA				-1.5		
h _{fe}	Small signal forward	V _{CE} = -10 V	I _C = -0.5 A f = 1 kHz	f = 1 kHz	20			
	current transfer ratio	*CE = -10 v		1 - 1 10112	20			
h _{fe}	Small signal forward	$I \ V_{CF} = -10 \ V$	L0.5 Δ	_C = -0.5 A f = 1 MHz	3			
	current transfer ratio		10 - 0.0 A					

NOTES: 4. These parameters must be measured using pulse techniques, t_p = 300 μ s, duty cycle \leq 2%.

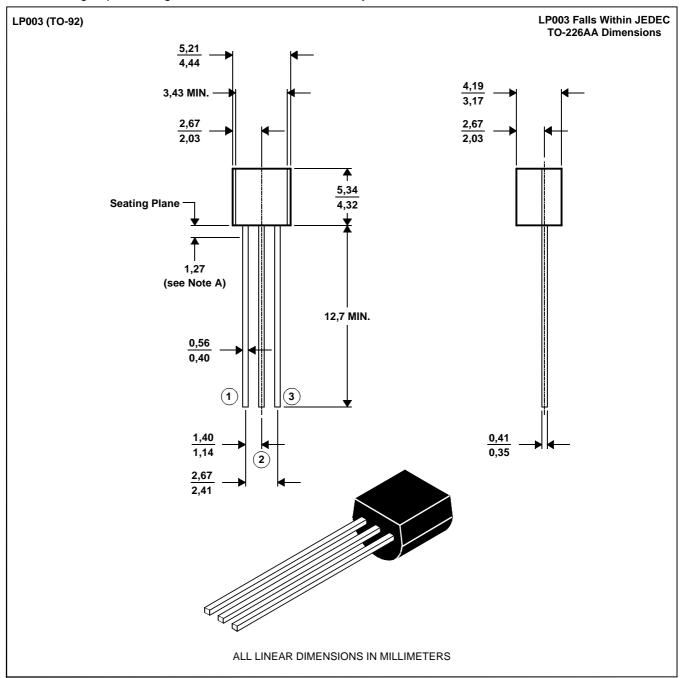
^{5.} These parameters must be measured using voltage-sensing contacts, separate from the current carrying contacts.

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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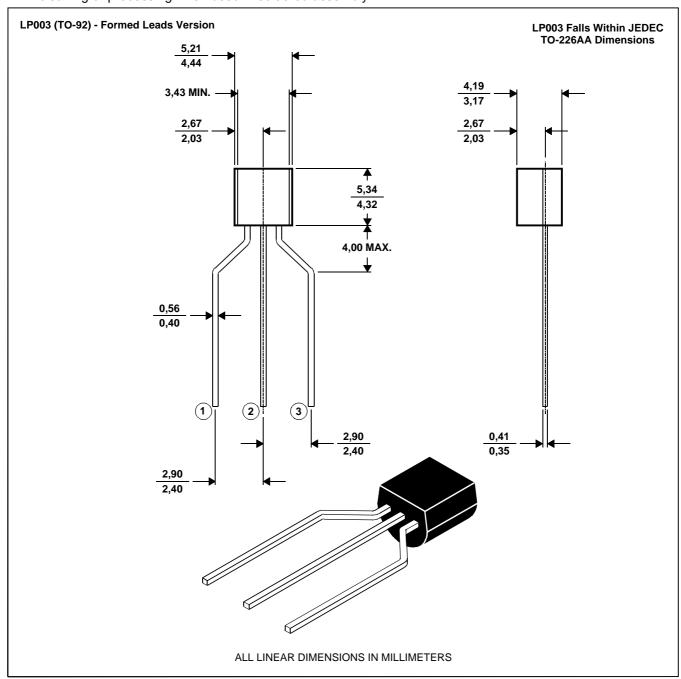
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MECHANICAL DATA

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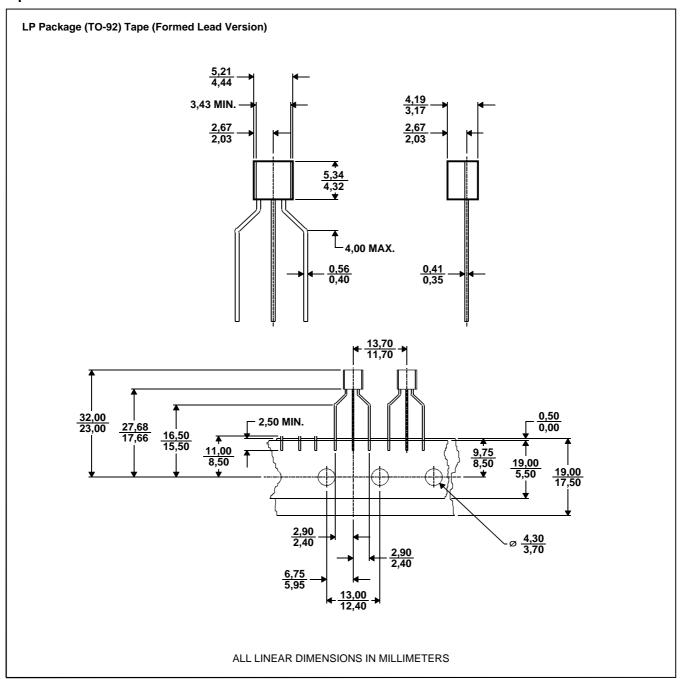


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MECHANICAL DATA

LPR tape dimensions



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