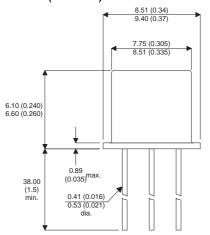
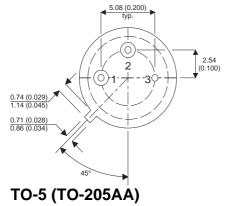
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MECHANICAL DATA Dimensions in mm (inches)





Underside View PIN 1 – Emitter PIN 2 – Base PIN 3 – Collector

HIGH VOLTAGE PNP TRANSISTOR

FEATURES

- LOW SATURATION VOLTAGE
- LOW LEAKAGE AT HIGH TEMPERATURE
- CECC SCREENING OPTIONS
- SPACE QUALITY LEVELS OPTIONS
- JAN LEVEL SCREENING OPTIONS

ABSOLUTE MAXIMUM RATINGS (T_{case} = 25°C unless otherwise stated)

V _{CER}	Collector-Base Voltage (R _{BE} = 1K)	500V
V _{CEO}	Collector-Emitter Voltage (IB = 0V)	450V
V _{CBO}	Collector Base Voltage (IE = 0V)	500V
I _C	Collector Current	1A
I _B	Base Current	0.5A
P _{tot}	Total Dissipation @ Tamb = 25°C	2W
	Derate Above 100°C	20mW/°C
Тj	Operating And Storage Junction Temperature	-65 to 200°C

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ELECTRICAL CHARACTERISTICS ($T_{case} = 25^{\circ}C$ unless otherwise stated)

Parameter		Test Conditions		Min.	Тур.	Max.	Unit
BV _{CEO*}	Collector Emitter Breakdown Voltage	I _C =50mA		450			
BV _{CER*}	Collector Emitter Breakdown Voltage	Ι _C =100μΑ	R _{BE} = 1K	500			- V
BV _{CBO}	Collector Base Breakdown Voltage	Ι _C =100μΑ		500			
BV _{EBO}	Emitter Base Breakdown Voltage	I _E =20μΑ		6			
I _{CBO}	Collector Cutoff Current	V _{CB} =500V				500	- nA
I _{EBO}	Emitter Cutoff Current	V _{EB} =4V				250	
h _{FE*}	DC Current Gain	I _C =1mA	V _{CE} =10V	20		200	
		I _C =25mA	V _{CE} =10V	40		250	
		I _C =100mA	V _{CE} =15V	20		200	
V _{CE(SAT)} *	Collector Emitter Saturation Voltage	I _C =25mA	I _B =2.5mA			3.0	V
V _{BE(SAT)} *	Base Emitter Saturation Voltage	I _C =25mA	I _B =2.5mA			1.0	
f _T	Current Gain Bandwidth Product	I _C =10mA	V _{CE} =20V	20			MHz
		f=5MHz					

SWITCHING TIMES (T_{case} = 25°C unless otherwise stated)

	Parameter	Test Conditions	Min.	Тур.	Max.	Unit
t _d	Delay Time	V _{CC} =150V I _C =100mA I _{B1} =I _{B2} =10mA			700	- ns
t _r	Rise Time				1500	
t _s	Storage Time				3	μS
t _f	Fall Time				200	ns

* Pulsed: Pulse Duration = 300µs, duty cycle = 1.5%

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