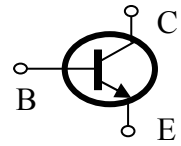


Guangdong Yuejing
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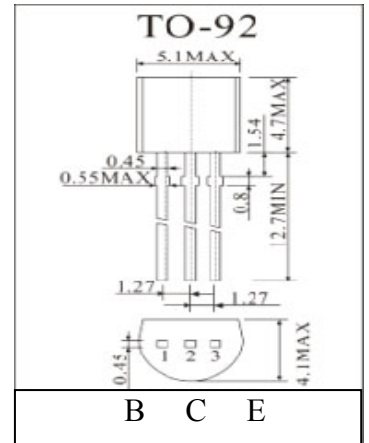
D13001

■■ APPLICATION: High - Voltage, High - Speed Power Switching Applications.



■■ MAXIMUM RATINGS (Ta=25°C)

PARAMETER		SYMBOL	RATING	UNIT
Collector-base voltage		VCBO	600	V
Collector-emitter voltage		VCEO	400	V
Emitter-base voltage		VEBO	7	V
Collector current		IC	0.2	A
Collector Power Dissipation	(Tc=25°C)	Pd	10	W
	(Ta=25°C)		0.75	
Junction Temperature		Tj	150	°C
Storage Temperature Range		Tstg	-55-150	°C



■■ ELECTRICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	TEST CONDITION	RATING			UNIT
			MIN.	TYP.	MAX.	
DC Current Gain	h _{FE}	Vce=20 V, Ic=20mA	10		70	β
Collector-Base Breakdown Voltage	BVcbo	Ic=0.1 mA, Ie=0	600			V
Collector-Emitter Breakdown Voltage	BVceo	Ic=1 mA, Ib=0	400			V
Emitter-Base Breakdown Voltage	BVebo	Ie=0.1 mA, Ic=0	7			V
Collector Cut-off Current	Icbo	Vcb=700 V, Ie=0			0.1	mA
Emitter Cut-off Current	Iebo	Veb=9 V, Ic=0			0.1	mA
Collector-Emitter Saturation Voltage	Vce(sat)	Ic=50mA, Ib=10mA			0.5	V
Base-Emitter Saturation Voltage	Vbe(sat)	Ic=50mA, Ib=10mA			1.2	V
Gain bandwidth product	f _T	Vce=10V, Ic=20mA, f=1.0MHz	8			MHz
Storage Time	ts	Vce=10V, Ic=2A,			1.2	uS
Fall Time	tf	IB1=IB2=400mA			0.3	uS

■■ h_{FE} Classification And Marking

PrintMark	D13001				
Classification	A	B	C	D	E
h _{FE}	10-25	20-35	30-45	40-55	50-70