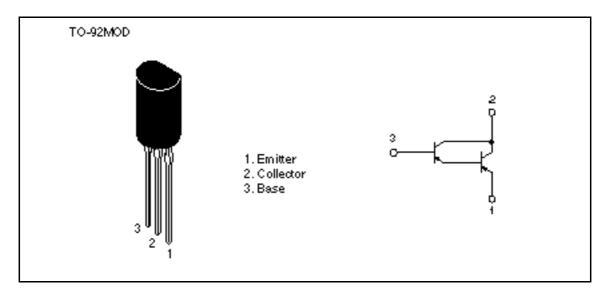
Silicon PNP Epitaxial, Darlington

# HITACHI

#### Application

High gain amplifier

#### Outline





#### **Absolute Maximum Ratings** (Ta = $25^{\circ}$ C)

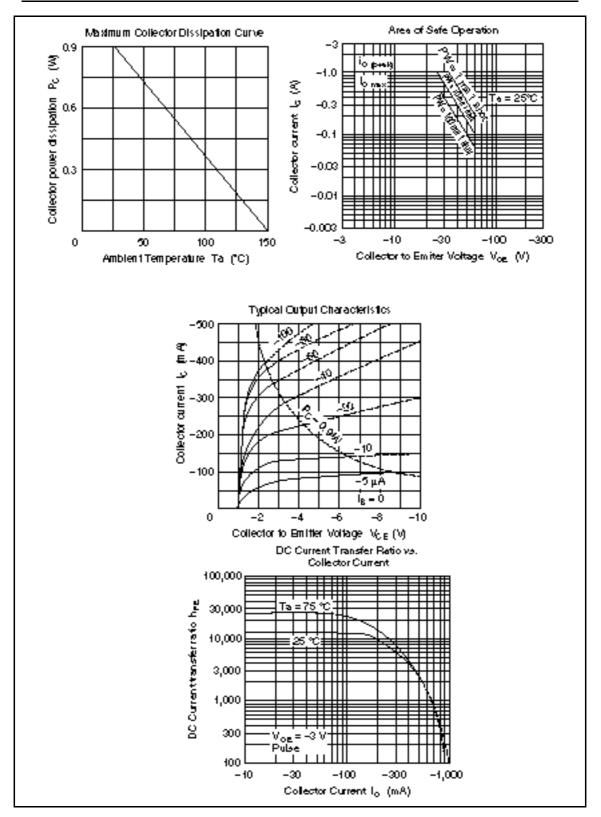
Item	Symbol	Ratings	Unit
Collector to base voltage	V <sub>CBO</sub>	-60	V
Collector to emitter voltage	V <sub>CEO</sub>	-60	V
Emitter to base voltage	V <sub>EBO</sub>	-7	V
Collector current	Ι <sub>c</sub>	-0.5	А
Collector peak current	İ <sub>C(peak)</sub>	-1.0	A
Collector power dissipation	Pc	0.9	W
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

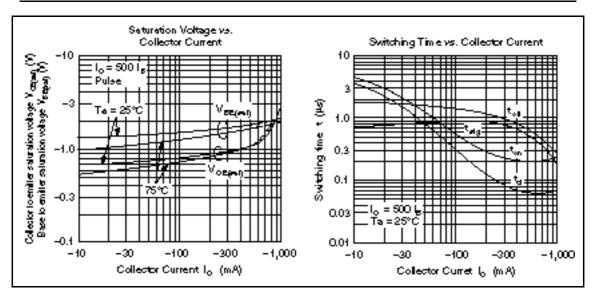
#### **Electrical Characteristics** (Ta = 25°C)

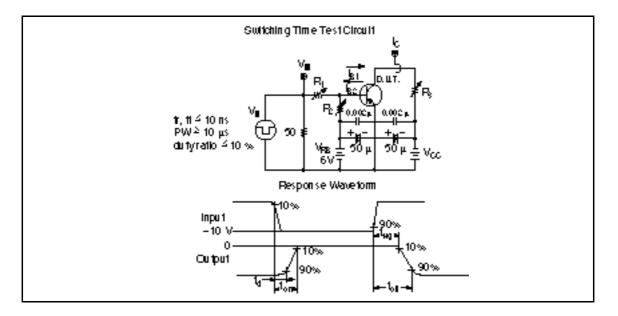
$A \qquad V_{CB} = -6$	mA, $R_{BE} =$ 60 V, $I_{E} = 0$
CD	, L
$A = V_{ER} = -7$	
ED	7 V, I <sub>c</sub> = 0
$V_{CE} = -3$	3 V, I <sub>c</sub> = -250 mA* <sup>1</sup>
$I_{c} = -25$	50 mA, $I_{\rm B} = -0.5 \text{ mA}^{*1}$
$I_c = -2$	50 mA
$I_{B1} = -I_{E}$	<sub>32</sub> = -0.5 mA
,	$V_{CE} = -2\xi$ $I_{C} = -2\xi$ $S_{C} = -2\xi$

Note: 1. Pulse test

### 2<u>SA1193(K)</u>







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