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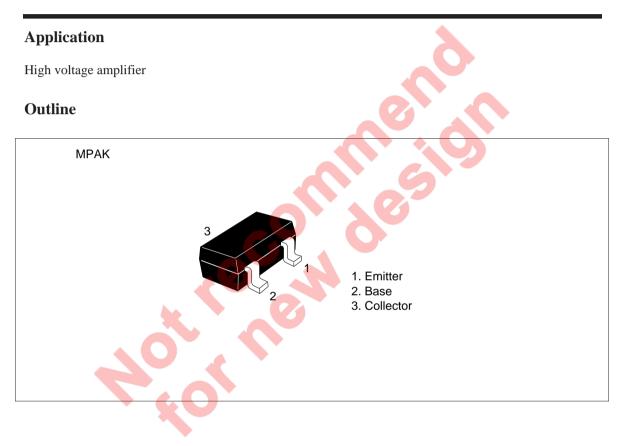
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Silicon PNP Epitaxial

RENESAS

ADE-208-1018 (Z) 1st. Edition Mar. 2001



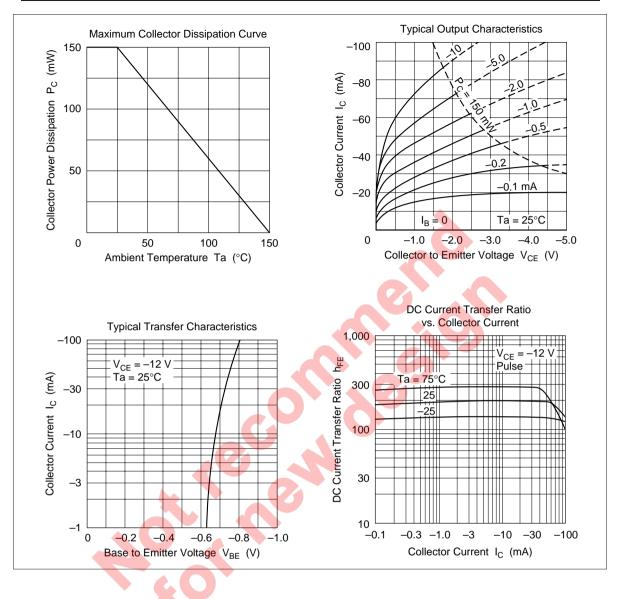
Absolute Maximum Ratings ($Ta = 25^{\circ}C$)

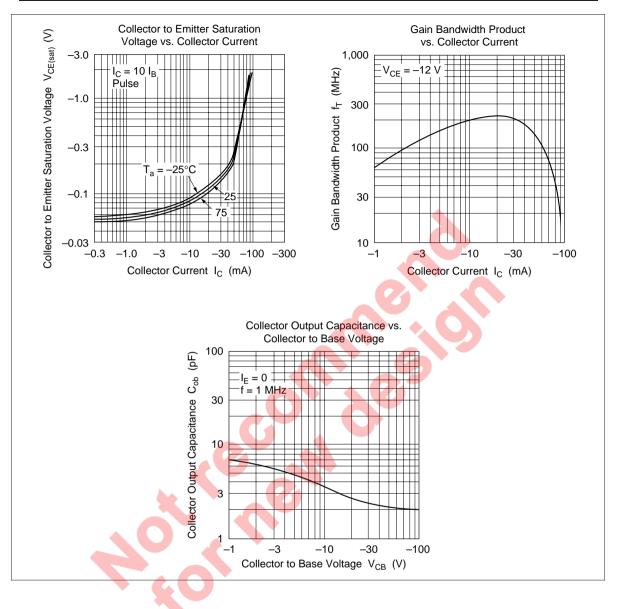
Item	Symbol	Ratings	Unit
Collector to base voltage	V _{CBO}	-180	V
Collector to emitter voltage	V _{CEO}	-180	V
Emitter to base voltage	V _{EBO}	-5	V
Collector current	Ι _c	-100	mA
Collector power dissipation	Pc	150	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

Electrical Characteristics (Ta = 25°C)

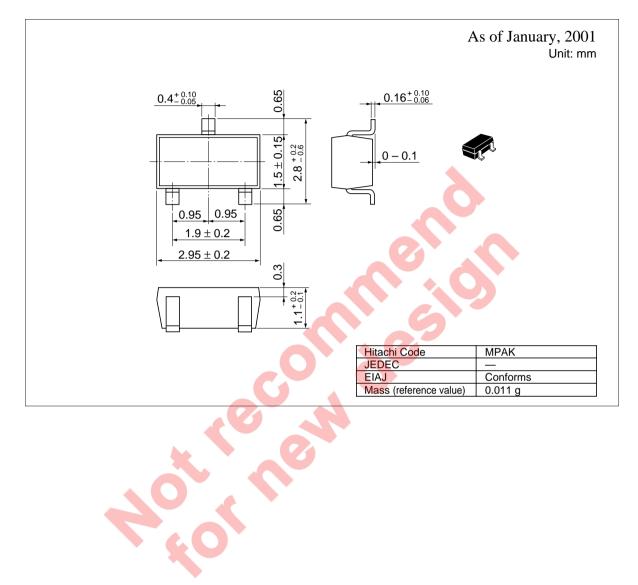
						0
Electrical Characteristic	es (Ta = 2	25°C)				
Item	Symbol	Min	Тур	Max	Unit	Test conditions
Collector to base breakdown voltage	$V_{(BR)CBO}$	-180	-		V	$I_{c} = -10 \ \mu A, I_{E} = 0$
Collector to emitter breakdown voltage	$V_{(BR)CEO}$	-180	7	-	V	$I_c = -0.5 \text{ mA}, R_{BE} = \infty$
Emitter to base breakdown voltage	$V_{(BR)EBO}$	-5		8	V	$I_{e} = -10 \ \mu A, \ I_{c} = 0$
DC current transfer ratio	h _{FE} *1	100	-	320		$V_{ce} = -12 \text{ V}, \text{ I}_{c} = -2 \text{ mA}^{*2}$
Collector to emitter saturation voltage	V _{CE(sat)}	-	1	-0.5	V	$I_{c} = -30$ mA, $I_{B} = -3$ mA* ²
Base to emitter voltage	V _{BE}	-0	-	-1.0	V	$V_{ce} = -12$ V, $I_c = -2$ mA
Gain bandwidth product	f _τ		200		MHz	$V_{ce} = -12 \text{ V}, I_c = -10 \text{ mA}$
Collector output capacitance	Cob		3.5		pF	$V_{_{CB}} = -10 \text{ V}, \text{ I}_{_{E}} = 0, \text{ f} = 1 \text{ MHz}$
Notes: 1. The 2SA1468 is grouped by h _{FE} as follows. 2. Pulse test						

Grade	в	С
Mark	INB	INC
h _{FE}	100 to 200	160 to 320





Package Dimensions



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