Old Company Name in Catalogs and Other Documents

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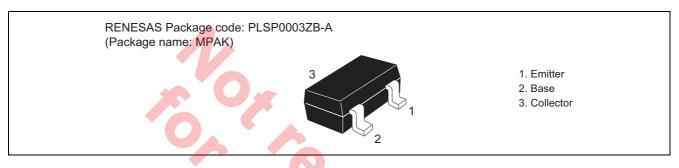
Silicon PNP Epitaxial

REJ03G0634-0300 (Previous ADE-208-1006A) Rev.3.00 Aug.10.2005

Application

Low frequency amplifier

Outline



Absolute Maximum Ratings

			$(Ta = 25^{\circ}C)$
Item	Symbol	Ratings	Unit
Collector to base voltage	V _{CBO}	-30	V
Collector to emitter voltage	V _{CEO}	-30	V
Emitter to base voltage	V _{EBO}	-5	V
Collector current	lc	-100	mA
Emitter current	I _E	100	mA
Collector power dissipation	Pc	150	mW
Junction temperature	Tj	150	0°
Storage temperature	Tstg	-55 to +150	O°



Electrical Characteristics

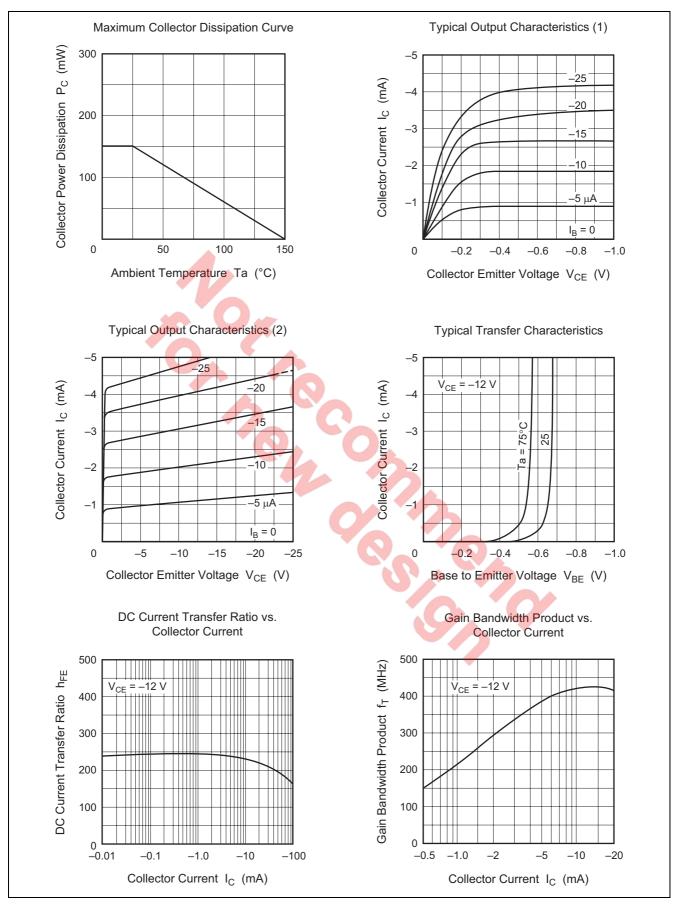
						$(Ta = 25^{\circ}C)$
Item	Symbol	Min	Тур	Max	Unit	Test conditions
Collector to base breakdown voltage	V _{(BR)CBO}	-30	—	—	V	$I_{\rm C} = -10 \propto A, I_{\rm E} = 0$
Collector to emitter breakdown voltage	V _{(BR)CEO}	-30	—	—	V	$I_C = -1 \ mA, \ R_{BE} = \infty$
Emitter to base breakdown voltage	V _{(BR)EBO}	-5	—	—	V	$I_E = -10 \propto A, I_C = 0$
Collector cutoff current	I _{CBO}	_	—	-0.5	∝A	$V_{CB} = -20 V, I_E = 0$
Emitter cutoff current	I _{EBO}	_	—	-0.5	∝A	$V_{EB} = -2 V, I_C = 0$
DC current transfer ratio	h _{FE} * ¹	160	—	500		$V_{CE} = -12 V, I_C = -2 mA$
Collector to emitter saturation voltage	V _{CE(sat)}	_	—	-0.2	V	$I_{C} = -10 \text{ mA}, I_{B} = -1 \text{ mA}$
Base to emitter voltage	V _{BE}		_	-0.75	V	$V_{CE} = -12 \text{ V}, I_C = -2 \text{ mA}$
	<i>.</i>					•

1. The 2SA1052 is grouped by h_{FE} as follows. Note:

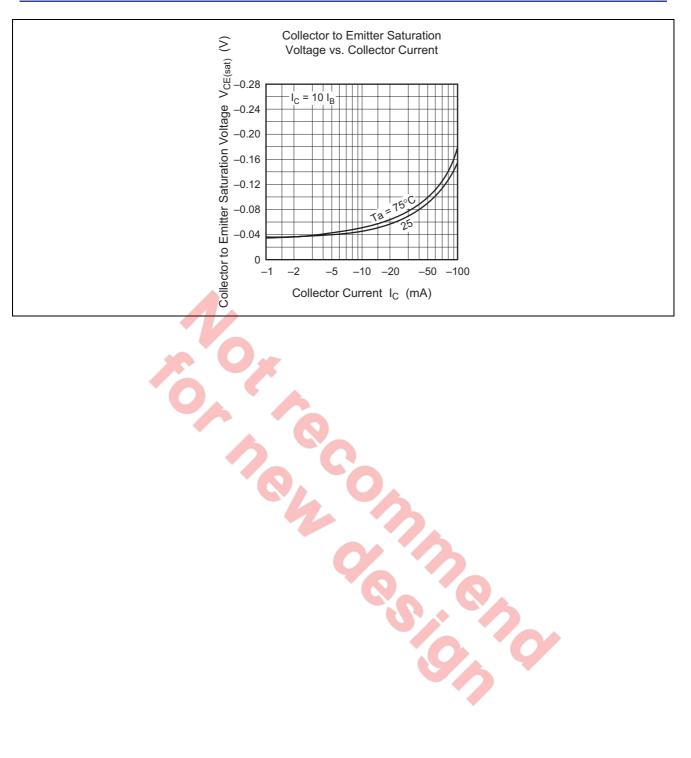
Grade	С	D
Mark	MC	MD
h _{FE}	160 to 320	250 to 500



Main Characteristics

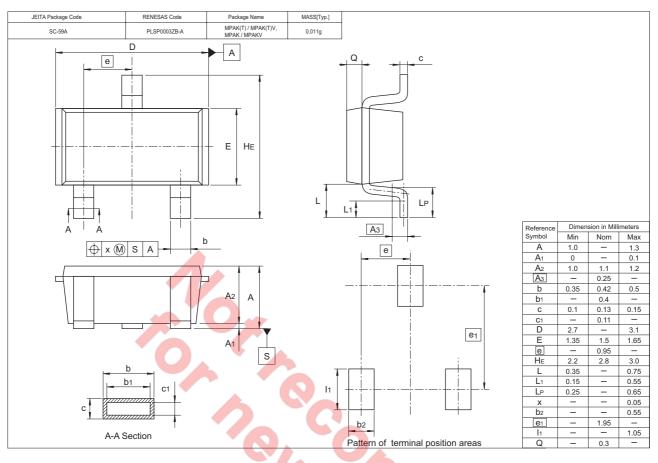








Package Dimensions



Ordering Information

Part Name	Quantity	Shipping Container
2SA1052MCTR-E	3000	
2SA1052MDTR-E		

Note: For some grades, production may be terminated. Please contact the Renesas sales office to check the state of production before ordering the product.



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