Medium Power Transistor 2SA1036K

•External dimensions (Unit : mm) Features 1) Large I_C. $I_{CMAX.} = -500 \text{mA}$ 2SA1036K 2) Low $V_{CE(sat)}$. Ideal for low-voltage 2.9±0.2 operation. 1.9±0.2 3) Complements the 2SC2411K. 0.95 0.95) (2) Structure Epitaxial planer type 0.15 +0. +0.1 -0.05 PNP silicon transistor All terminals have ame dimension (1) Emitter (2) Base ROHM : SMT3 EIAJ : SC-59 (3) Collecto Abbreviated sym ∗ Denotes h⊧

Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit	
Collector-base voltage	Vсво	-40	V	
Collector-emitter voltage	Vceo	-32	V	
Emitter-base voltage	V _{EBO}	-5	V	
Collector current	lc	-0.5	A *	
Collector power dissipation	P _C 0.2		W	
Junction temperature	Tj	150	°C	
Storage temperature	Tstg	-55 to +150	°C	

 $\ast\,\mathsf{Pc}\,\mathsf{\scriptscriptstyle MAX.}\,\mathsf{must}$ not be exceeded.

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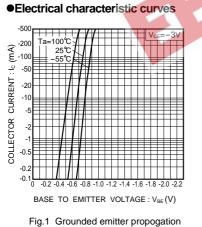
Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-base breakdown voltage	ВVсво	-40	-	-	V	Ic=-100μA
Collector-emitter breakdown voltage	BV _{CEO}	-32	-	-	V	I _C = -1mA
Emitter-base breakdown voltage	BVEBO	-5	-	-	V	$I_E = -100 \mu A$
Collector outoff current	Ісво	-	_	-1	μΑ	V _{CB} = -20V
Emitter cutoff current	I _{EBO}	-	-	-1	μΑ	$V_{EB}=-4V$
Collector-emitter saturation voltage	VCE(sat)	-	-	-0.6	V	I _C /I _B = -300mA/-30mA
DC current transfer ratio	hfe	82	_	390	_	$V_{CE} = -3V$, $I_C = -100mA$
Transition frequency	f⊤	-	200	-	MHz	V _{CE} = -5V, I _E =20mA, f=100MHz
Output capacitance	Cob	-	7	-	pF	V_{CB} = -10V, I _E =0A, f=1MHz

Packaging specifications

		Pack	age		Taping			
		Code	9		T146			0
Туре	h _{FE}	Basic	ordering unit (pieces)	3000			2 M
2SA1036K	PQR				0		2. 32	
h _{FE} values ar	e clas	sifies a	as follows.			32	3 m	
Item	P		Q	F	र 🚽		CUT	
h _{FE}	82 to	180	120 to 270	180 t	o 390			

Item	Р	Q	R
h _{FE}	82 to 180	120 to 270	180 to 390



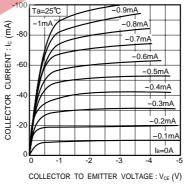


Fig.2 Grounded emitter output characteristics (I)

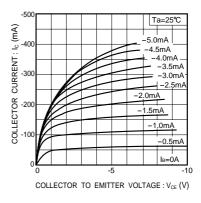
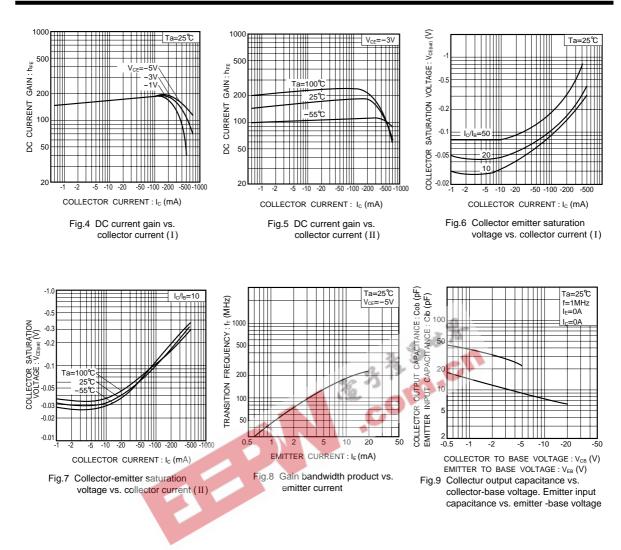


Fig.3 Ground emitter output characteristics (II)

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