

2SA1036K

2SA1577

查询"2SA1036KP"供应商

Transistor, PNP

Features

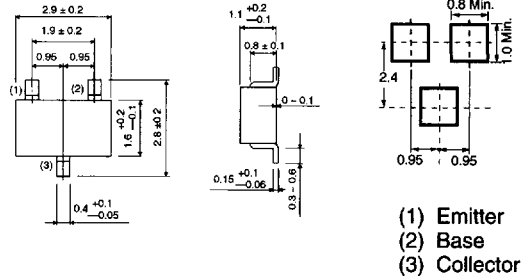
- available in SMT3 (SMT, SC-59) and UMT3 (UMT, SC-70) packages
- package marking: 2SA1036K and 2SA1577; H★, where ★ is h_{FE} code
- large collector current:
 $I_{C(max)} = -500 \text{ mA}$
- suitable for low-voltage operations because of its low saturation voltage
- complementary pair with 2SC2411K and 2SC4097

Applications

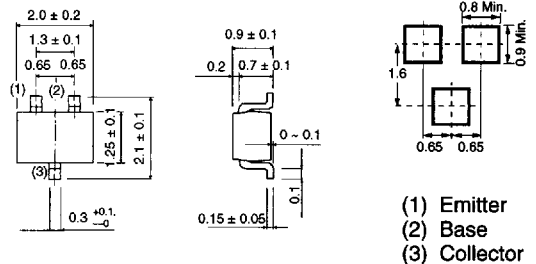
- medium power amplifier

Dimensions (Units : mm)

2SA1036K (SMT3)



2SA1577 (UMT3)



2SA1036K, 2SA1577 Transistor, PNP, 2SA series

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Absolute maximum ratings (T_a = 25°C)

Parameter	Symbol	Limits	Unit	Conditions
Collector-to-base voltage	V _{CBO}	−40	V	
Collector-to-emitter voltage	V _{CEO}	−32	V	
Emitter-to-base voltage	V _{EBO}	−5	V	
Collector current	I _C	−500	mA	Do not exceed P _{C(max)}
Collector dissipation	P _C	200	mW	
Junction temperature	T _j	150	°C	
Storage temperature	T _{stg}	−55 ~ +150	°C	

Electrical characteristics (unless otherwise noted, T_a = 25°C)

Parameter	Symbol	Min	Typical	Max	Unit	Conditions
Collector-to-base breakdown voltage	BV _{CBO}	−40			V	I _C = −100 μA
Collector-to-emitter breakdown voltage	BV _{CEO}	−32			V	I _C = −1 mA
Emitter-to-base breakdown voltage	BV _{EBO}	−5			V	I _E = −100 μA
Collector cutoff current	I _{CBO}			−1	μA	V _{CB} = −20 V
Emitter cutoff current	I _{EBO}			−1	μA	V _{EB} = −4 V
DC current gain	h _{FE}	82		390		V _{CE} = −3 V, I _C = −10 mA
Collector-to-emitter saturation voltage	V _{CE(sat)}			−0.4	V	I _C / I _B = −100 mA / −10 mA
Transition frequency	f _T		200		MHz	V _{CE} = −5 V, I _E = 20 mA, f = 100 MHz
Output capacitance	C _{ob}		7.0		pF	V _{CB} = −10 V, I _E = 0 mA, f = 1 MHz

h_{FE} rankings

Item	P	Q	R
h _{FE}	82 ~ 180	120 ~ 270	180 ~ 390

Electrical characteristic curves

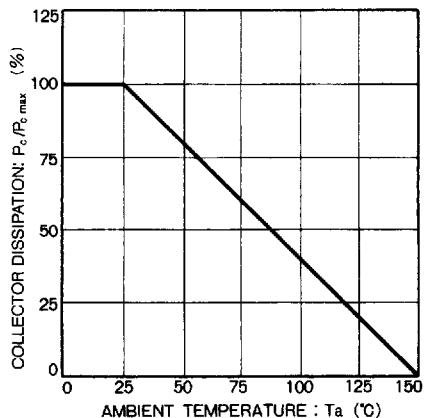


Figure 1

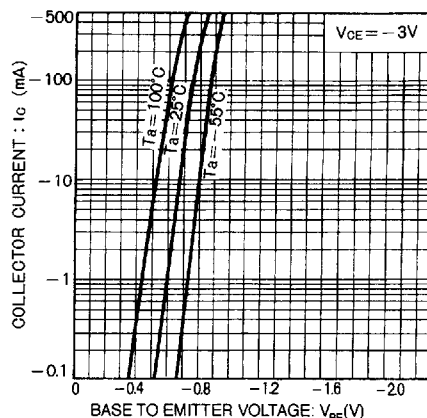


Figure 2

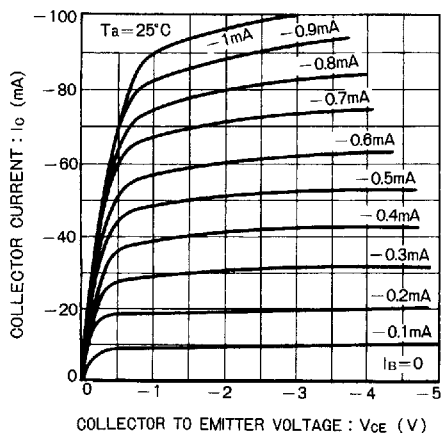


Figure 3

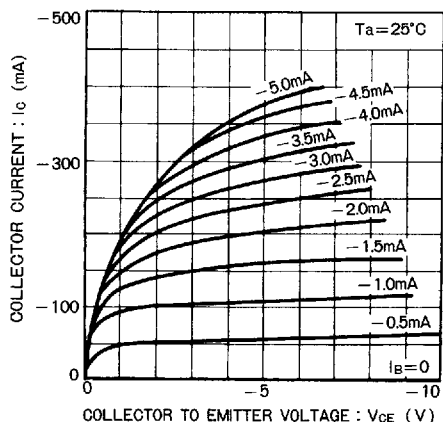


Figure 4

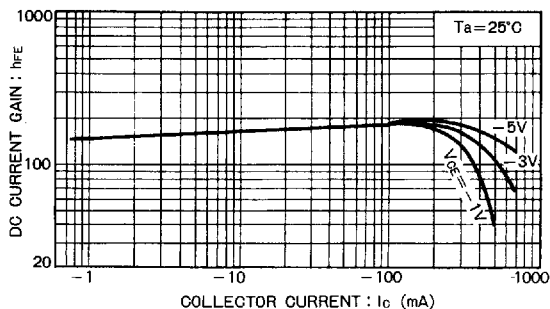


Figure 5

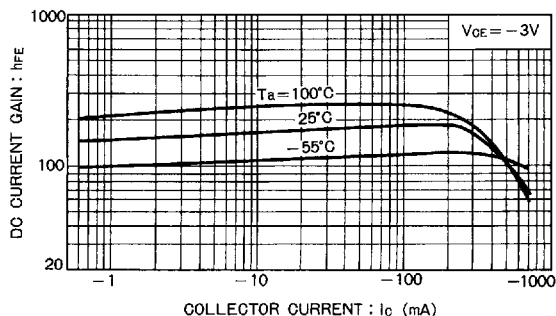


Figure 6

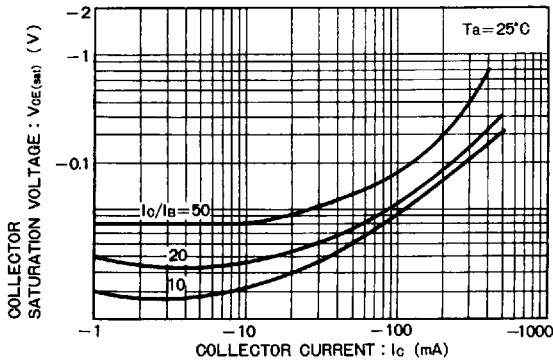


Figure 7

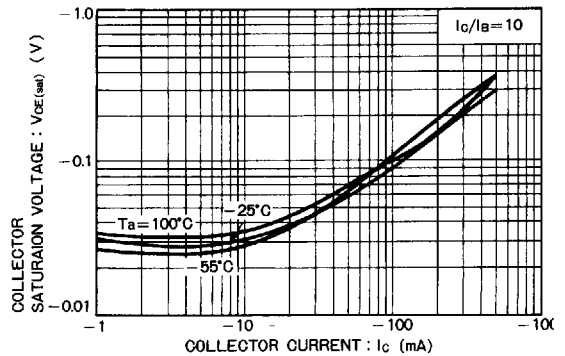


Figure 8

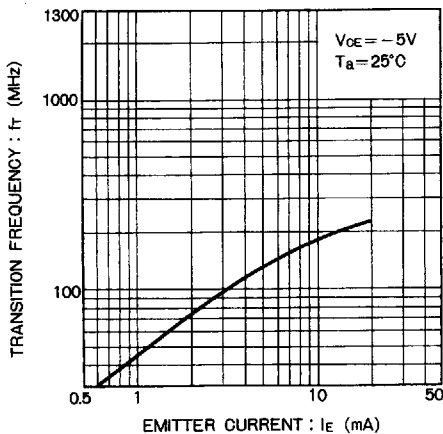


Figure 9

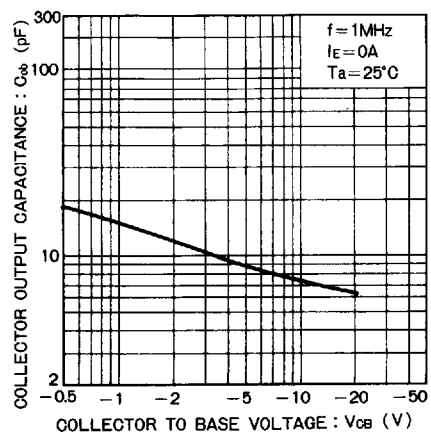


Figure 10

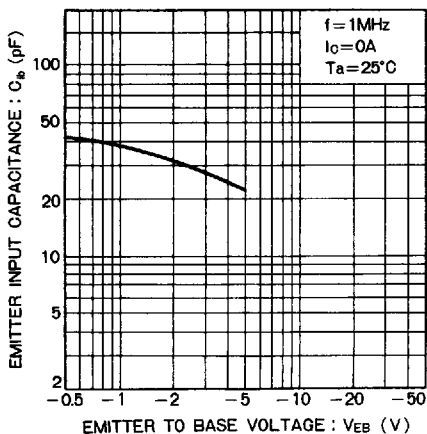


Figure 11

Ordering information

Package	Tape	
Code	T146	T106
Basic order quantity	3000	3000
2SA1036K	☆	
2SA1577		★
★ = Standard, ☆ = Semi-standard, * = Special order		