2.8+0.2

1.5+0.25

0 to 0

4 : Collector (Tr2)

5 : Base (Tr1)

Tr1

Tr2

6 : Emitter (Tr1) EIAJ : SC-74

Mini Type Package (6-pin)

1

2ב

__3

0.65±0.15

g

0.1 to 0.3 0.4±0.3

Marking Symbol: EN

Internal Connection

6[

5Γ

4

1 : Collector (Tr1)

2 : Base (Tr2)

3 : Emitter (Tr2)

Unit: mm

0.65±0.15

XN04506 (XN4506)

NPN epitaxial planer transistor

For amplification of low frequency output

Features

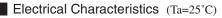
- Two elements incorporated into one package.
- Reduction of the mounting area and assembly cost by one half.

Basic Part Number of Element

• 2SD1915F \times 2 elements

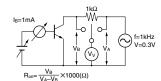
Parameter		Symbol	Ratings	Unit	
Rating of element	Collector to base voltage	V _{CBO}	50	V	
	Collector to emitter voltage	V _{CEO}	20	V	
	Emitter to base voltage	V _{EBO}	25	V	
	Collector current	I _C	300	mA	
	Peak collector current	I _{CP}	500	mA	
Overall	Total power dissipation	P _T	300	mW	
	Junction temperature	Tj	150	°C	
	Storage temperature	T _{stg}	-55 to +150	°C	

Absolute Maximum Ratings (Ta=25°C)

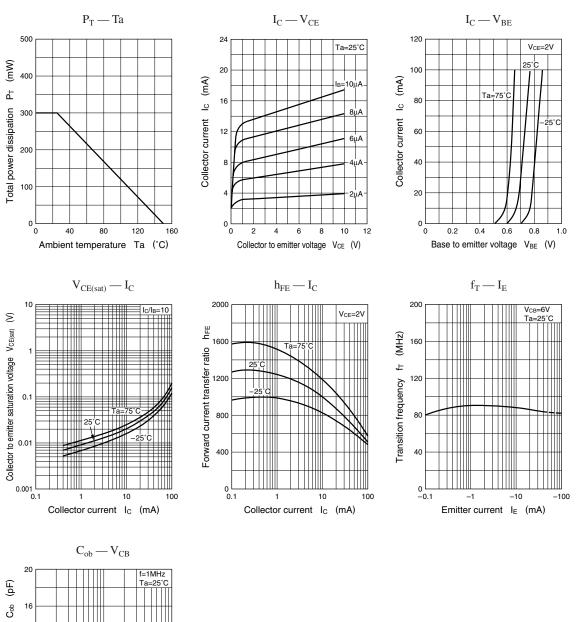


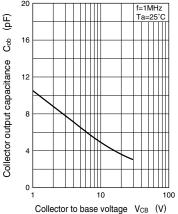
Parameter	Symbol	Conditions	min	typ	max	Unit
Collector to emitter voltage	V _{CEO}	$I_{\rm C} = 1 {\rm mA}, I_{\rm B} = 0$	20			V
Collector cutoff current	I _{CBO}	$V_{CB} = 50V, I_E = 0$			0.1	μΑ
Emitter cutoff current	I _{EBO}	$V_{EB} = 25V, I_C = 0$			0.1	μΑ
Forward current transfer ratio	$h_{\rm FE}$	$V_{CE} = 2V, I_C = 4mA$	500		2500	
Collector to emitter saturation voltage	V _{CE(sat)}	$I_C = 30 \text{mA}, I_B = 3 \text{mA}$			0.1	V
Base to emitter voltage	V _{BE}	$V_{CE} = 2V, I_C = 4mA$		0.6		V
Transition frequency	f _T	$V_{CB} = 6V, I_E = -4mA, f = 200MHz$		80		MHz
Collector output capacitance	C _{ob}	$V_{CB} = 10V, I_E = 0, f = 1MHz$			7	pF
ON Resistance	R _{on} ^{*1}			1.0		Ω

*1 Ron test circuit



Note.) The Part number in the Parenthesis shows conventional part number.





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