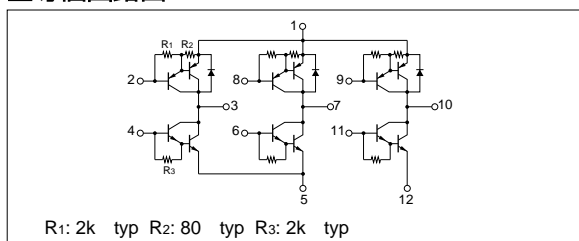


絶対最大定格

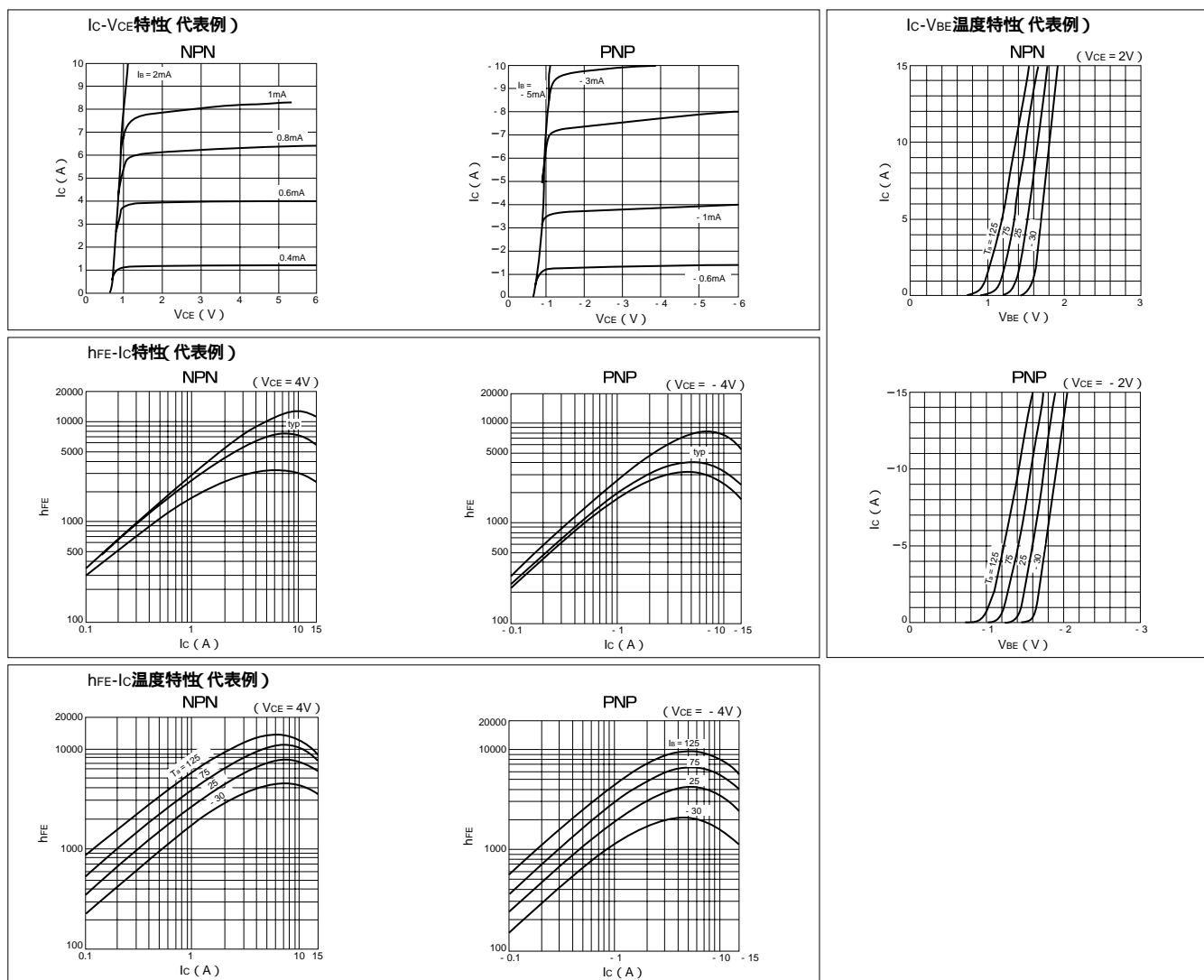
($T_a = 25$)

記号	定 格		単 位
	NPN	PNP	
V _{CBO}	60	- 60	V
V _{CEO}	60	- 60	V
V _{EBO}	6	- 6	V
I _c	10	- 10	A
I _{CP}	15 (PW 1ms, D _u 50%)	- 15 (PW 1ms, D _u 50%)	A
I _{FEC}		- 10	A
I _{FEC} P		- 15	A
I _B	0.5	- 0.5	A
P _T	5 ($T_a = 25$)		W
	35 ($T_c = 25$)		
V _{ISO}	1000 (Fin - リード端子間, AC)		V _{rms}
T _j	150		
T _{stg}	- 40 ~ + 150		
j-c	3.57		W

■等価回路図



■ 特性曲線

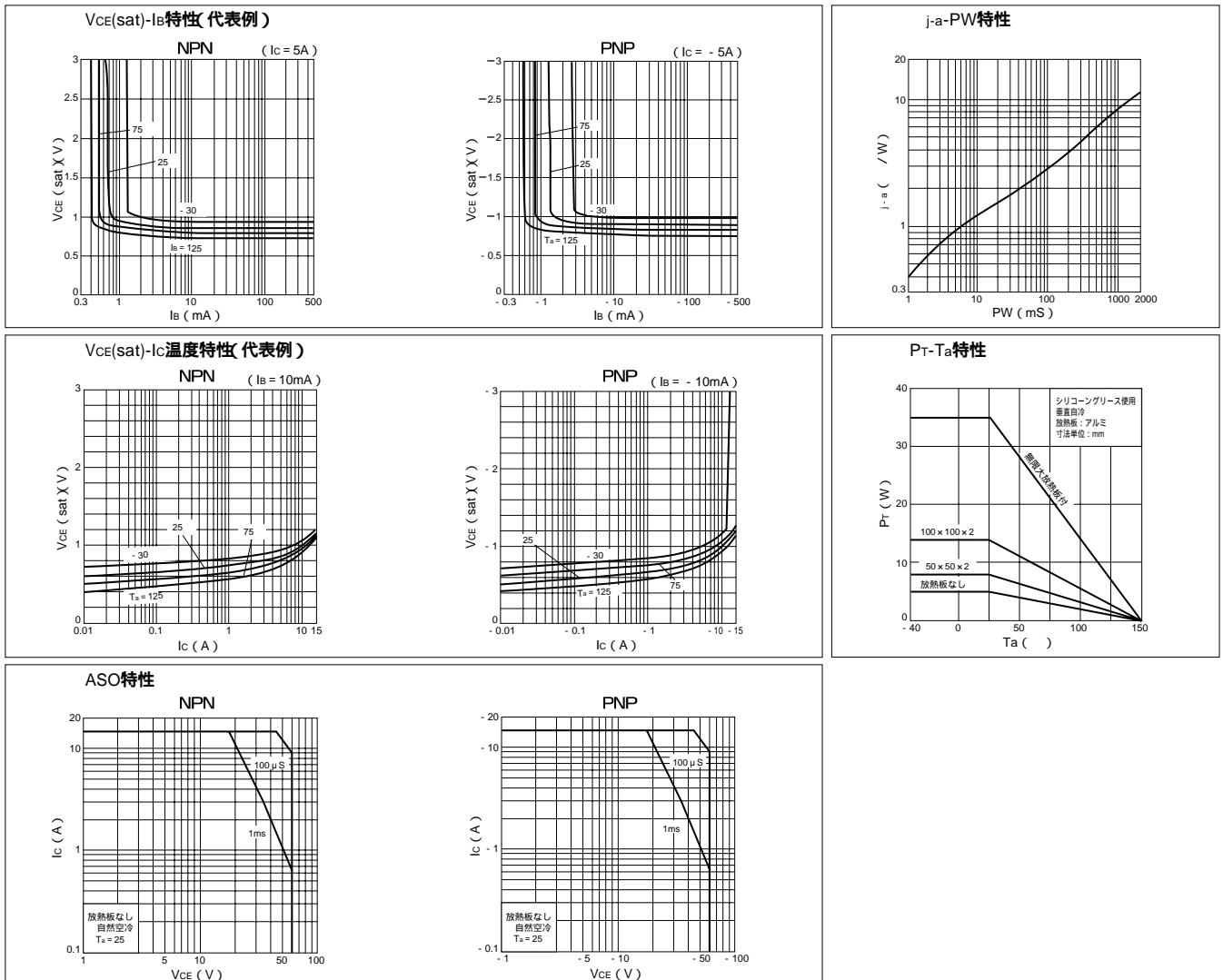


電氣的特性

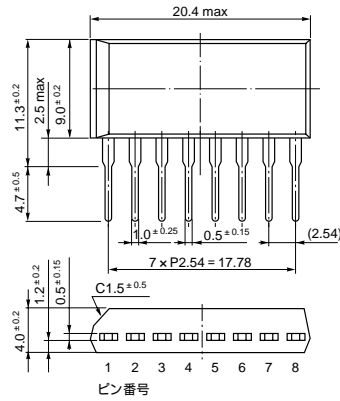
(Ta = 25)

記号	NPN					PNP				
	規格値			単位	条件	規格値			単位	条件
	min	typ	max			min	typ	max		
ICBO			10	μA	$V_{CB} = 60\text{V}$			- 10	μA	$V_{CB} = - 60\text{V}$
IEBO			10	μA	$V_{EB} = 6\text{V}$			- 10	mA	$V_{EB} = - 6\text{V}$
VCEO	60			V	$I_c = 10\text{mA}$	- 60			V	$I_c = - 10\text{mA}$
hFE	2000	5000	12000		$V_{CE} = 4\text{V}, I_c = 6\text{A}$	2000	5000	12000		$V_{CE} = - 4\text{V}, I_c = - 6\text{A}$
VCE(sat)			1.5	V	$I_c = 6\text{A}, I_b = 12\text{mA}$			- 1.5	V	$I_c = - 6\text{A}, I_b = - 12\text{mA}$
VEB(sat)			2.0	V				- 2.0	V	
VFEC		-		V				2.0	V	$I_{FEC} = - 6\text{A}$
trr		-		μs			4.0		μs	$I_{FEC} = \pm 0.5\text{A}$
ton		0.6		μs	$V_{CC} = 24\text{V}, I_c = 6\text{A}, I_{B1} = - I_{B2} = 12\text{mA}$		0.7		μs	$V_{CC} = - 24\text{V}, I_c = - 6\text{A}, I_{B1} = - I_{B2} = - 12\text{mA}$
tstg		2.0		μs			1.2		μs	
tf		1.5		μs			0.7		μs	
fT		50		MHz		$V_{CE} = 12\text{V}, I_E = - 1\text{A}$	50		MHz	
Cob		100		pF	$V_{CB} = 10\text{V}, f = 1\text{MHz}$	180		pF	$V_{CB} = - 10\text{V}, f = 1\text{MHz}$	

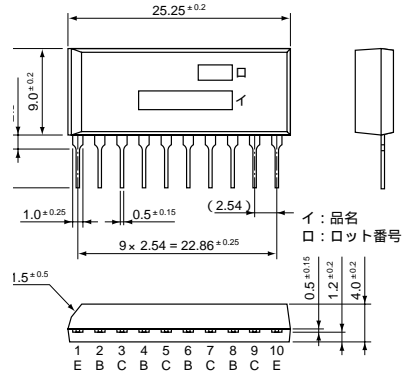
特性曲線



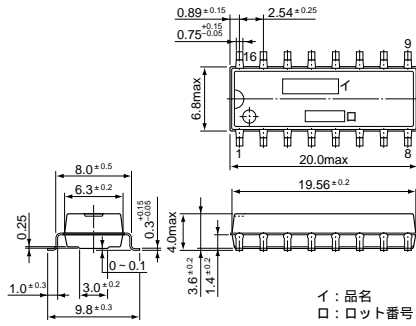
・ STA 8 pin (SIP8Pin)



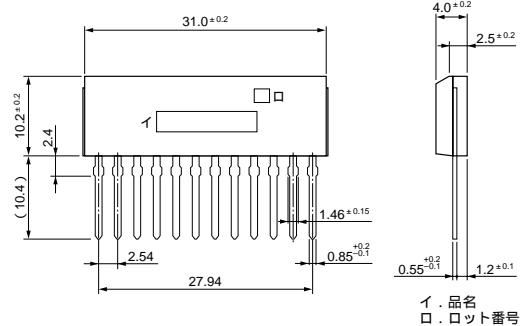
・ STA 10 pin (SIP10Pin)



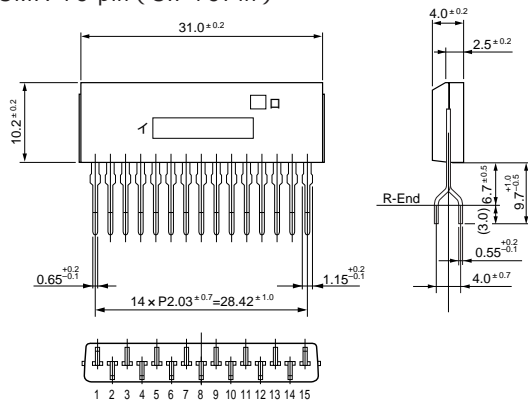
・ SD 16 pin (SMD16Pin)



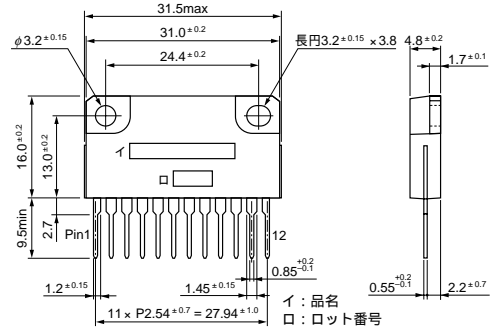
・ SMA 12 pin (SIP12Pin)



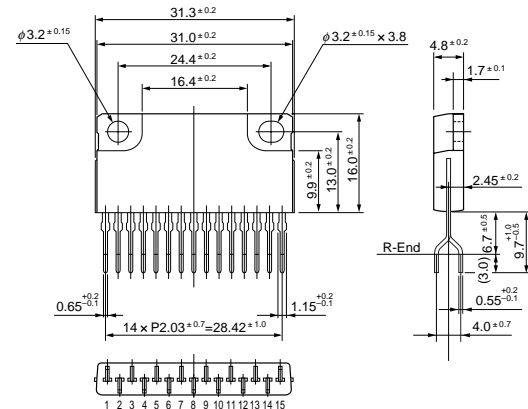
・ SMA 15 pin (SIP15Pin)



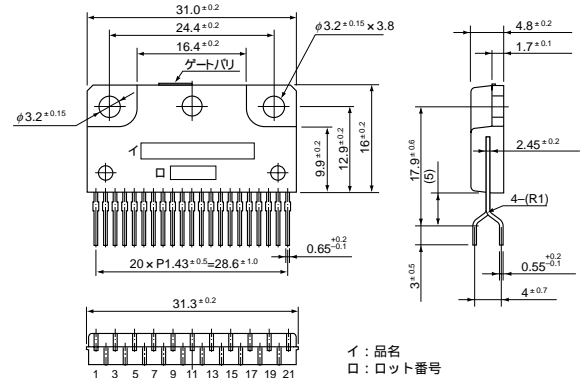
・ SLA 12 pin (SIP12Pin フィン付)



・ SLA 15 pin (SIP15Pin フィン付)



・ SLA 21 pin (SIP21Pin フィン付)



(単位: mm)