

絶対最大定格

($T_a = 25$)

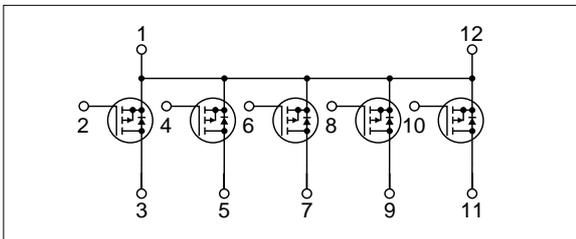
記号	定格値	単位
V_{DSS}	-60	V
V_{GSS}	± 20	V
I_D	-5	A
$I_{D(pulse)}$	-10 (PW 1ms, duty 25%)	A
P_T	5 ($T_a = 25$, 全回路動作, No Fin)	W
	30 ($T_c = 25$, 全回路動作, Fin)	
j-a	25 (接合 - 外気間, $T_a = 25$, 全回路動作)	/W
j-c	4.17 (接合 - リード間, $T_c = 25$, 全回路動作)	/W
V_{ISO}	100 (Fin - リード端子間, AC)	V _{rms}
T_{ch}	150	
T_{stg}	-40 ~ +150	

電気的特性

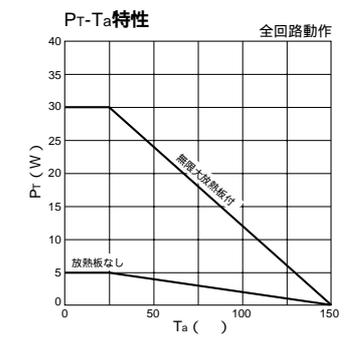
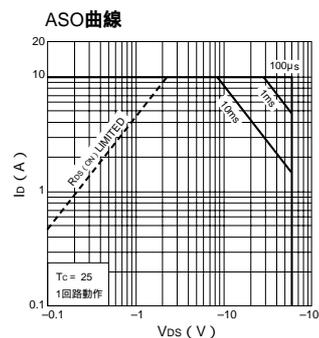
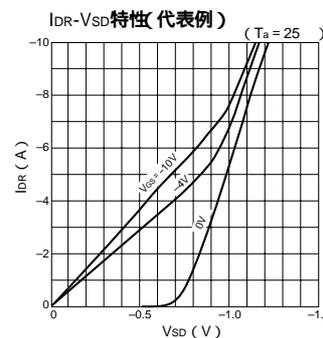
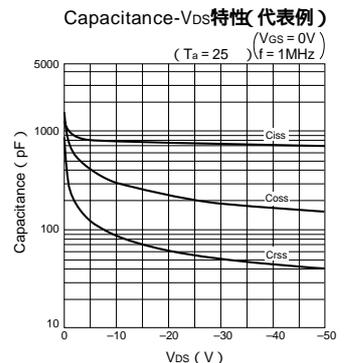
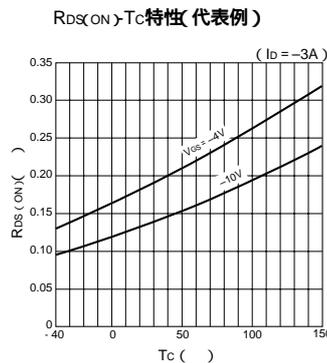
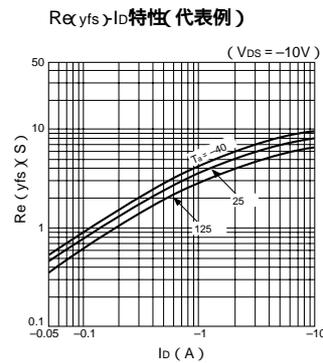
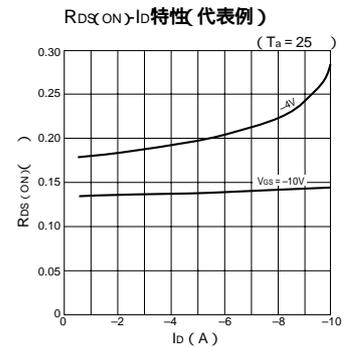
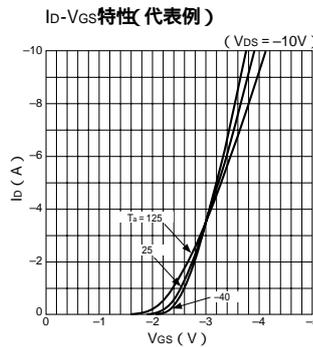
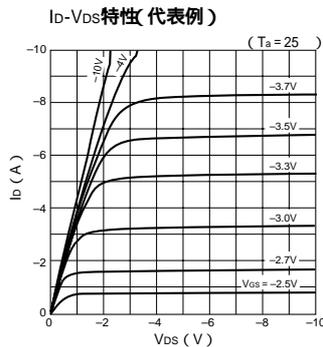
($T_a = 25$)

記号	規格値			単位	条件
	min	typ	max		
$V_{(BR)DSS}$	-60			V	$I_D = -100 \mu A, V_{GS} = 0V$
I_{GSS}			± 100	nA	$V_{DS} = \pm 20V$
I_{DSS}			-100	μA	$V_{DS} = -60V, V_{GS} = 0V$
V_{TH}	-1.0		-2.0	V	$V_{DS} = -10V, I_D = -250 \mu A$
$R_{ex(yfs)}$	4	6		S	$V_{DS} = -10V, I_D = -3A$
$R_{DS(on)}$		0.14	0.22		$V_{GS} = -10V, I_D = -3A$
C_{iss}		790		pF	$V_{DS} = -10V,$ $f = 1.0MHz,$ $V_{GS} = 0V$
C_{oss}		310		pF	
C_{rss}		90		pF	
$t_{d(on)}$		40		ns	$I_D = -3A,$ $V_{DD} = -20V,$ $R_L = 6.67 \Omega,$ $V_{GS} = -5V, P16$ 図4参照
t_r		110		ns	
$t_{d(off)}$		160		ns	
t_f		80		ns	
V_{SD}	-1.0	-1.5		V	
t_{rr}		85		ns	$I_{SD} = 3A, V_{GS} = 0V, di/dt = 100A/\mu s$

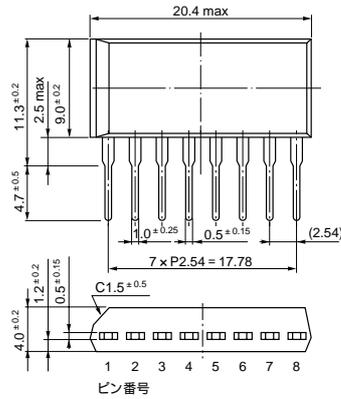
■等価回路図



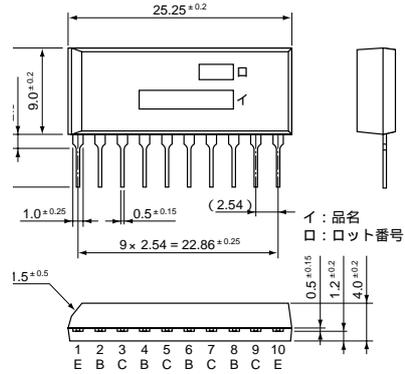
■特性曲線



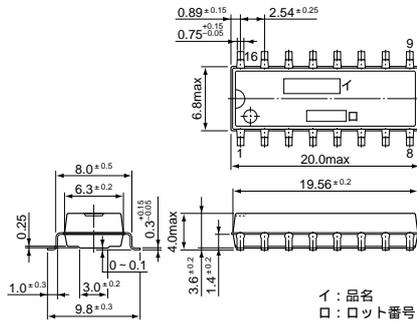
・ STA 8 pin (SIP8Pin)



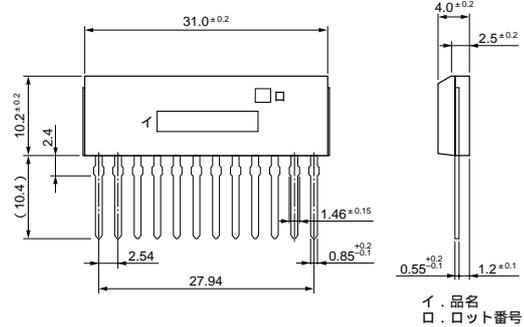
・ STA 10 pin (SIP10Pin)



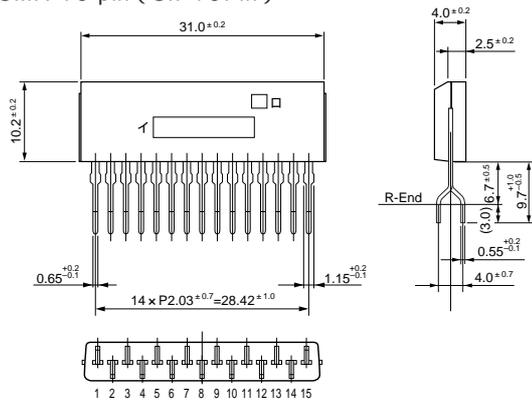
・ SD 16 pin (SMD16Pin)



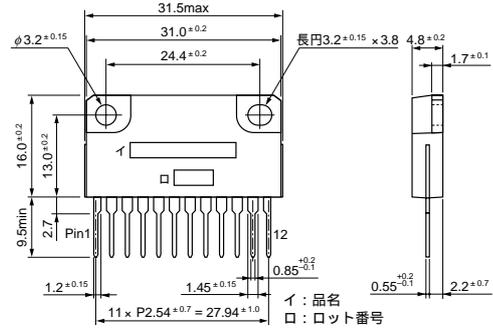
・ SMA 12 pin (SIP12Pin)



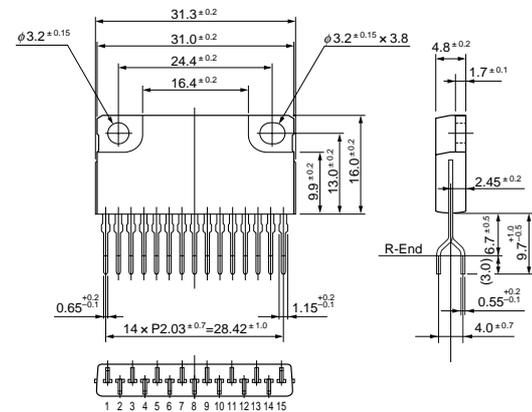
・ SMA 15 pin (SIP15Pin)



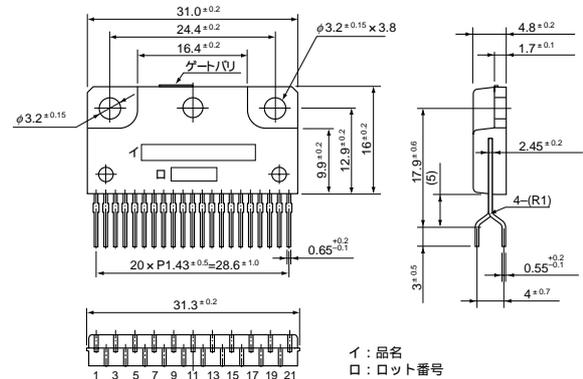
・ SLA 12 pin (SIP12Pin フィン付)



・ SLA 15 pin (SIP15Pin フィン付)



・ SLA 21 pin (SIP21Pin フィン付)



(単位: mm)