

HA1664 Series

() は暫定仕様 () means temporary

Function	Type No.	Vin (V) max	Icc (mA) max	Fmax (kHz) max	RREJ (dB) typ	Topr (°C)	Status DILP SOP	Terminal	Remarks
Switching Regulator	HA1664APS	40	13	500	—	-20 ~ +85	○	8	Suitable for forward method Voltage mode
	HA1664AFP	40	7	200	—		○	14	Suitable for forward method Voltage mode
	HA1664APS						○	8	Suitable for forward method Voltage mode
	HA1666P	40	12	600	—	-20 ~ +85	○	16	Suitable for forward method Voltage mode
	HA1666FP						○	16	Timer latch fail safe, voltage mode
	HA16107P						○	16	Both forward and flyback method available
	HA16107FP						○	16	ON/OFF timer latch fail safe, voltage mode
	HA16108P						○	16	Both forward and flyback method available
	HA16108FP	34	20	600	—	-20 ~ +85	○	16	Timer latch fail safe
	HA16109P						○	16	Both forward and flyback method available
	HA16109FP						○	16	Timer latch fail safe
	HA16111P						○	16	Both forward and flyback method available
	HA16111FP						○	16	Current mode type AC/DC
	HA17384DPS	(30)	(13)	(500)	—	(-20 ~ +85)	※	8	OVP+TSD
	HA17384EPS						※	8	
	HA17385EPS						※	8	
	HA17451AP	40	2.6	300	—	-20 ~ +85	○	16	Without latch circuit from S.C.P of HA17451
	HA17451AFP						○	16	1 ch step down/negative output DC-DC
	HA16114P/FP/FPJ	40	11	600	—	-20 ~ +85	○	16	1 ch step up DC-DC
	HA16120FP/FPJ					-20 ~ +85	○	16	2 ch step down/negative output DC-DC
	HA16116FP/FPJ	40	20.5	600	—	-40 ~ +85	○	20	2 ch step up/step down/negative output DC-DC
	HA16121FP/FPJ						○	20	Can select single end or push-pull
	HA17524P	40	10	450	—	-20 ~ +75	○	16	
	HA17524FP						○	16	
Watch dog timer	HA1835P	-0.3 ~ Vout	12	—	75	-40 ~ +85	○	14	
	HA16103PJ	40	12	—	75	-40 ~ +85	○	18	Low voltage detection
	HA16103FPJ						○	20	
	HA16113FPJ	40	15	—	75	-40 ~ +85	○	24	2 ch type of HA16103
	HA16129FPJ	40	13	—	75	-40 ~ +85	○	20	1 ch type, output voltage 5.0±1.5%, fail safe function built-in
	HA16117FA/FB/FC					-30 ~ +85	○	8	CMOS
	HA16117FPA/FPB/FPC	14	0.6	—	—	-40 ~ +85	○	8	4.4, 4.2 and 4.0V type detection voltage
	HA16117FPAJ/FPBJ/FPCJ						○	8	
Precision Regulator	HA17723					0 ~ +70	○	14	Series/Parallel dropper regulator
	HA17723P	40	4	—	74	-20 ~ +75	○	14	DC/DC converter, etc
	HA17723F					0 ~ +70	○	14	

注) Notes)

※顧客限定 ※ Provided to the limited customers

HA1743 Series

Type No.	Vcc (V)	Ioff max (mA)	Vref (V) min typ max	Ik max (mA)	Topr (°C)	Package (Pin) DILP SOP SIP (TO-92M) UPAK	Status
HA17431P	40	1	2.395 2.495 2.595	-100 ~ +150	-20 ~ +85		○
HA17431FP						8	○
A version (2.495 V±2.2%)							
Type No.	Vcc (V)	Ioff max (mA)	Vref (V) min typ max	Ik max (mA)	Topr (°C)	Package (Pin) DILP SOP SIP (TO-92M) UPAK	Status
HA17431PA							○
HA17431FPA*	40	1	2.440 2.495 2.550	-100 ~ +150	-20 ~ +85	8	○
HA17431UA*						3	○
New version (2.500 V±1%) *: ±1.5% available							
Type No.	Vcc (V)	Ioff (mA) max	Vref (V) min typ max	Ik max (mA)	Topr (°C)	Package (Pin) MPAK5 TO-92	Status
HA17431VLP					-20 ~ +85	5	○
HA17431VP	16	1	2.475 2.500 2.525	-50 ~ 50		3	○
HA17431VPJ					-40 ~ +85	3	○