OPERATIONAL AMPLIFIERS

Function			Type No.	Vcc (V)	Icc/ Circuit (mA) max	Vio (mV) max	SR (V/μs) typ	Topr (℃)	Status DILP	Status SOP	Terminal	Remarks
Op-amp	J-FET Input	Single	HA17080PS/APS	±18	2.8	15/6	13	-20 – +75	○		8	Low input bias current
		Dual	HA17082PS/APS						○		8	
			HA17083P/AP						○		14	
		Quad	HA17084P/AP						○		14	
	Single		HA17741	±18	5.5	6.0	1.0	-20 – +75	○		8	Standard
			HA17741PS						○		8	
	Dual		HA17358	+32	2.0	7.0	0.2	-20 – +75	○		8	High gain
			HA17358F							○	8	
			HA17458	±18	5.5	6.0	0.6	-20 – +75	○		8	Standard
			HA17458F							○	8	
			HA17458FP							○	8	
			HA17458PS						○		8	
			HA17558	±18	4.7	6.0	1.0	-20 – +75	○		8	Standard
			HA17558F							○	8	
			HA17558FP							○	8	
			HA17558PS						○		8	
			HA17747	±18	3.7	9.0	1.0	-20 – +75	○		14	Phase compensation
			HA17747P						○		14	
			HA17904FP	+32	2.0	7.0	0.2	-20 – +75		○	8	High gain
			HA17904PS						○		8	
			HA17904FPJ					-40 – +85		○	8	
			HA17904PSJ						○		8	
	Quad		HA17301P	+28	14	—	0.20	-20 – +75	○		14	Standard
			HA17324	+32	2	7	0.19		○		14	
			HA17324P						○		14	
			HA17324F							○	14	
			HA17324FP							○	14	
			HA17474	±20	4	5.0	1.9	-20 – +75	○		14	High speed wide frequency
			HA17474P						○		14	
			HA17902	+28	2	8	0.19	-20 – +75	○		14	High gain
			HA17902P						○		14	
			HA17902FP							○	14	
			HA17902PJ					-40 – +85	○		14	
			HA17902FPJ							○	14	

VOLTAGE COMPARATORS

Function		Type No.	Vcc (V)	Icc/ Circuit (mA) max	Vio (mV) max	Response time(μs) typ	Topr (℃)	Status DILP	Status SOP	Terminal	Remarks
Voltage Comparators	Dual	HA17393	2 – 36	2.0	5.0	1.3	-20 – +75	○		8	Low off-set voltage
		HA17393F							○	8	
		HA17903FP							○	8	
		HA17903PS						○		8	
		HA17903FPJ					-40 – +85		○	8	
		HA17903PSJ						○		8	
	Quad	HA17339					-20 – +75	○		14	
		HA17339F							○	14	
		HA17901P	2 – 36	2.0	7.0	1.3		○		14	Low off-set voltage
		HA17901FP							○	14	
		HA17901PJ					-40 – +85	○		14	
		HA17901FPJ							○	14	

注)
○: 量産中
※顧客限定

Notes)
○: Mass Production
※Provided to the limited customers