

HMC1190A Data Sheet Specification Change Detail

Parameter	Condition	From			To			Units	Comment
		Min	Typ.	Max	Units	Typ.	Max		
5 V supplies	VDDLs, VCC1, VCC2, VDDCP	4.5	5	5.5	4.8	5	5.2	V	
3.3V supplies	3VRVDD, DVDD3V, VCCHF, VCCPS, VCCPD	3	3.3	3.6	3.1	3.3	3.5	V	
5V Supply Rails [4](VDDCP, VCS1, VCS2, VDDLs, VBIASIF1, VBIASIF2, LOBIAS1, LOBIAS2, VCC1, VCC2) (5V)		324	330	338	280.5	330	379.5	mA	(GaAs +-15% process variation, 5HPE +-15% process variation)
3.3V Supply Voltage [4] (LOVDD, 3VRVDD, DVDD3V, VCCPD, VCCPS, VCCHF) (3.3V)		185	193	200	164.05	193	221.95	mA	(GaAs +-15% process variation, 5HPE +-15% process variation)
Current of 5V Supplies (VDDLs, VCC1, VCC2, VDDCP)	LO_OUT differential, LO_MIXER off [1]	144	149	154	126.65	149	171.35	mA	5HPE +-15% process variation
Current of 3.3V Supplies (3VRVDD, DVDD3V, VCCHF, VCCPS, VCCPD)		44.5	47	49.5	40.8	48	55.2	mA	5HPE +-15% process variation
Current of 5V Supplies (VDDLs, VCC1, VCC2, VDDCP)	LO_OUT single-ended, LO_MIXER off [1]	126	130	133	110.5	130	149.5	mA	5HPE +-15% process variation
Current of 3.3V Supplies (3VRVDD, DVDD3V, VCCHF, VCCPS, VCCPD)		44.5	47	49.5	40.8	48	55.2	mA	5HPE +-15% process variation
Current of 5V Supplies (VDDLs, VCC1, VCC2, VDDCP)	LO_OUT off, LO_MIXER differential [1]	144	149	154	126.65	149	171.35	mA	5HPE +-15% process variation
Current of 3.3V Supplies (3VRVDD, DVDD3V, VCCHF, VCCPS, VCCPD)		44.5	47	49.5	40.8	48	55.2	mA	5HPE +-15% process variation
Current of 5V Supplies (VDDLs, VCC1, VCC2, VDDCP)	LO_OUT off, LO_MIXER single-ended [1]	127	130	132.5	110.5	130	149.5	mA	5HPE +-15% process variation
Current of 3.3V Supplies (3VRVDD, DVDD3V, VCCHF, VCCPS, VCCPD)		44.5	47	49.5	40.8	48	55.2	mA	5HPE +-15% process variation
Current of 5V Supplies (VDDLs, VCC1, VCC2, VDDCP)	LO_OUT differential, LO_MIXER differential [1]	179	184	189	156.4	184	211.6	mA	5HPE +-15% process variation
Current of 3.3V Supplies (3VRVDD, DVDD3V, VCCHF, VCCPS, VCCPD)		44.5	47	49.5	40.8	48	55.2	mA	5HPE +-15% process variation
Current of 5V Supplies (VDDLs, VCC1, VCC2, VDDCP)	LO_OUT single-ended, LO_MIXER single-ended [1]	146	150	154	127.5	150	172.5	mA	5HPE +-15% process variation
Current of 3.3V Supplies (3VRVDD, DVDD3V, VCCHF, VCCPS, VCCPD)		44.5	47	49.5	40.8	48	55.2	mA	5HPE +-15% process variation