

The Philips Family of High Performance Frequency Synthesizers

	V _{CC}	I _{CC}	Plns	Pkg	Max RF/Input Frequency	Channel Spacing	Fractional-N Divider	Auxiliary Synthesizer	Applications
Fractional-N Frequency Syntesizer									
SA7025DK	2.7 to 5.5V	7.5mA@3V	20	SSOP20	1.0GHz (main) 150MHz (aux) 40MHz(aux)	10-5000kHz (main) 40-20,000kHz (aux) 10-5000kHz (aux)	✓	✓	IS-54/-136, IS-95, PDC, GSM digital cellular
SA8025ADK	2.7 to 5.5V	11 mA@3V	20	SSOP20	1.8GHz (main) 150MHz (aux) 40MHz(aux)	10-5000kHz (main) 40-20,000kHz (aux) 10-5000kHz (aux)	✓	✓	PHS digital cordless, U.S. PCS, PDC digital cellular
UMA1005T	2.9 to 5.5V	5mA@3V	20	SSOP20	30GHz (main) 90MHz (aux) 30MHz(aux)	10-20,000kHz (aux) 40-20,000kHz (aux) 10-5000kHz (aux)	✓	✓	IS-54/-136, IS-95, PDC, GSM digital cellular
Frequency Synthesizers									
UMA1014T	4.5 to 5.5V	13mA@5V	16	SO16	1.1GHz	5-100kHz			AMPS/TACS cellular, cordless
UMA1015M	2.7 to 5.5V	9.6mA@3V	20	SSOP20	1.1GHz 1.1GHz	8.5-375kHz		✓ (dual)	CT1/CT1+ ccordless AMPS/TACS, NMT cellular
UMA1017M	2.7 to 5.5V	6.5mA@3V	20	SSOP20	1200MHz	10-200kHz			GSM digital cellular, spread spectrum
UMA1018M	2.7 to 5.5V	8.5mA@3V	20	SSOP20	1200MHz (main) 300MHz (aux)	10-2000kHz (main) 10-1000kHz (aux)		✓	GSM digital cellular
UMA1019M	2.7 to 5.5V	9.5mA@3V	20	SSOP20	2200MHz	10-2000kHz			DECT digital cordless DCS 1800
UMA1020M	2.7 to 5.5V	12mA@3V	20	SSOP20	2200MHz (main) 300MHz (aux)	10-2000kHz (main) 10-2000kHz (aux)		✓	DECT digital cordless, dcs1800, phs
UMA1021M	2.7 to 5.5V	9mA@3V	20	SSOP20	2200MHz	10-2000kHz			WLAN DECT digital cordless DCS 1800, PHS
UMA1022M	2.7 to 5.5V	13mA@3V	20	SSOP20	2200MHz (main) 500MHz (aux)	10-2000kHz		✓	WLAN DECT digital cordless DCS 1800, PHS

	V _{CC}	I _{CC}	Plns	Pkg	Max Input Frequency	Max Compare Frequency	Input Sensitivity	Divide Ratio
Prescalers								
SA701N,D	2.7 TO 6V	4.5mA@3V	8	DIP, S08	1.1GHz	65kHz/270kHz	-35 dBm	128/129,64/65
SA702N,D	2.7 TO 6V	4.5mA@3V	8	DIP, S08	1.1GHz	1000kHz	-35 dBm	64/66/72
SA703N,D	2.7 TO 6V	4.5mA@3V	8	DIP, S08	1.1GHz	335kHz	-35 dBm	128/129/144