



# A Selection of Hittite Components for

# AUTOMOTIVE

## AUTOMOTIVE; DC - 6 GHz and 6 - 80 GHz

Function	DC - 6 GHz			6 - 80 GHz		
	Chip	SMT		Chip	SMT	
<b>Amplifiers Gain Blocks &amp; Drivers</b>	HMC396	HMC311LP3E	HMC474MP86E	HMC562	HMC383LC4	HMC464LP5E
	HMC405	HMC311ST89E	HMC478MP86E	HMC465	HMC442LC3B	HMC465LP5E
	HMC397	HMC313E HMC770LP4BE	HMC480ST89E	HMC606	HMC451LC3 HMC462LP5E HMC463LP5E	HMC489LP5E HMC490LP5E HMC635LC4
<b>Low Noise Amplifier</b>	HMC392	HMC374E	HMC594LC3B	HMC565	HMC341LC3B	HMC517LC4
	HMC609	HMC392LH5	HMC604LP3E	HMC518	HMC504LC4B	HMC565LC5
	HMC594	HMC548LP3E HMC667LP2E HMC758LP3E	HMC605LP3E HMC617LP3E	HMC263 HMC566 HMC-ALH508 HMC-ALH509	HMC516LC5 HMC519LC4	
<b>Linear &amp; Power Amplifier</b>	HMC459	HMC318MS8GE	HMC407MS8GE	HMC464	HMC383LC4	HMC489LP5E
	HMC559	HMC320MS8GE	HMC409LP4E	HMC562	HMC464LP5E	HMC498LC4
	HMC606	HMC327MS8GE	HMC606LC5	HMC592 HMC693 HMC-ABH264		HMC499LC4
<b>Attenuator: Analog</b>		HMC346C8		HMC712	HMC812LC4	HMC712LP3CE
<b>Attenuator: Digital</b>		HMC425LP3E	HMC759LP3E			
		HMC467LP3E	HMC792LP4E			
		HMC468LP3E	HMC801LP3E			
		HMC540LP3E	HMC802LP3E			
		HMC629LP4E				
<b>Frequency Divider &amp; Detector</b>	HMC361	HMC432E	HMC437MS8GE	HMC363	HMC447LC3	HMC493LP3E
	HMC362	HMC433E	HMC438MS8GE HMC794LP3E	HMC365	HMC492LP3E	HMC494LP3E
<b>Frequency Multipliers: Active</b>	HMC561	HMC369LP3E	HMC444LP4E	HMC449	HMC370LP4E	HMC576LC3B
		HMC370LP4E	HMC575LP4E	HMC576	HMC449LC3B	HMC577LC4B
		HMC443LP4E	HMC561LP3E	HMC579	HMC573LC3B	HMC578LC3B
		HMC695LP4E	HMC695LP4E	HMC-XDH158		
<b>Frequency Multipliers: Passive</b>	HMC156	HMC187MS8E	HMC188MS8E	HMC205 HMC-XTB110	HMC204MS8GE	
<b>Mixer Fundamental</b>	HMC120	HMC175MS8E	HMC285E	HMC292	HMC144LC4	HMC329LC3B
	HMC129	HMC213MS8E HMC218MS8E	HMC488MS8GE HMC615LP4E	HMC554 HMC560 HMC-MDB169 HMC-MDB277	HMC260LC3B HMC292LC3B	HMC554LC3B HMC560LM3
<b>Mixers: I/Q, IRM, Sub-Harmonic &amp; I/Q Upconverters/ Downconverters</b>	HMC525	HMC340LP5E	HMC620LC4	HMC339	HMC258LM3	HMC522LC4
	HMC620	HMC525LC4		HMC404	HMC264LC3B	HMC523LC4
				HMC556	HMC265LM3	HMC528LC4
				HMC572	HMC338LC3B	HMC572LC5
				HMC-MDB171	HMC709LC5	HMC710LC5
				HMC-MDB172	HMC815LC5	HMC798LC4
				HMC-MDB207	HMC869LC5	
				HMC-MDB218		



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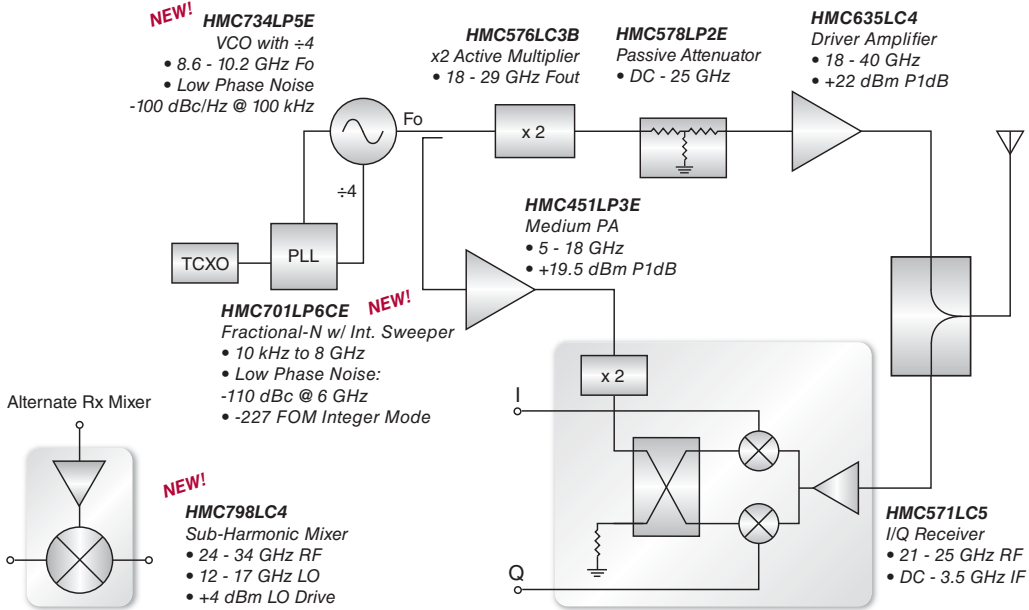
Function	DC - 6 GHz		6 - 80 GHz		
	Chip	SMT	Chip	SMT	
<b>Modulator</b>		HMC495LP3E HMC696LP4E HMC697LP4E	HMC497LP3E HMC696LP4E HMC697LP4E		HMC496LP3E
<b>PLLs: Synthesizer ICs</b>		HMC698LP5E HMC699LP5E	HMC700LP4E HMC701LP6CE		HMC698LP5E HMC699LP5E HMC700LP4E HMC701LP6CE
<b>Power Detector</b>		HMC601LP4E HMC713LP3E	HMC610LP4E		HMC602LP4E HMC713MS8GE HMC611LP4E HMC662LP3E
<b>Switch: SPST, SPNT, SPDT, SPDT T/R, Bypass, Diversity, Matrix &amp; Transfer</b>	HMC240 HMC322 HMC344 HMC641	HMC321LP4E HMC332E HMC336MS8GE HMC544E HMC436MS8GE	HMC536MS8GE HMC550E HMC784MS8GE HMC849LP4CE	HMC232 HMC347 HMC607 HMC-SDD112	HMC232LP4E HMC321LP4E HMC344LP3E HMC347LP3E HMC427LP3E HMC547LP3E
<b>VGAs: Digital</b>		HMC625LP4E HMC743LP6CE	HMC742LP5E		
<b>VCO</b> * Requires x2 or x4		HMC388LP4E HMC389LP4E HMC390LP4E	HMC391LP4E HMC431LP4E HMC586LC4B		HMC515LP5E* HMC531LP5E* HMC534LP4E HMC736LP4E HMC535LP5E HMC587LC4B HMC588LC4B HMC737LP4E



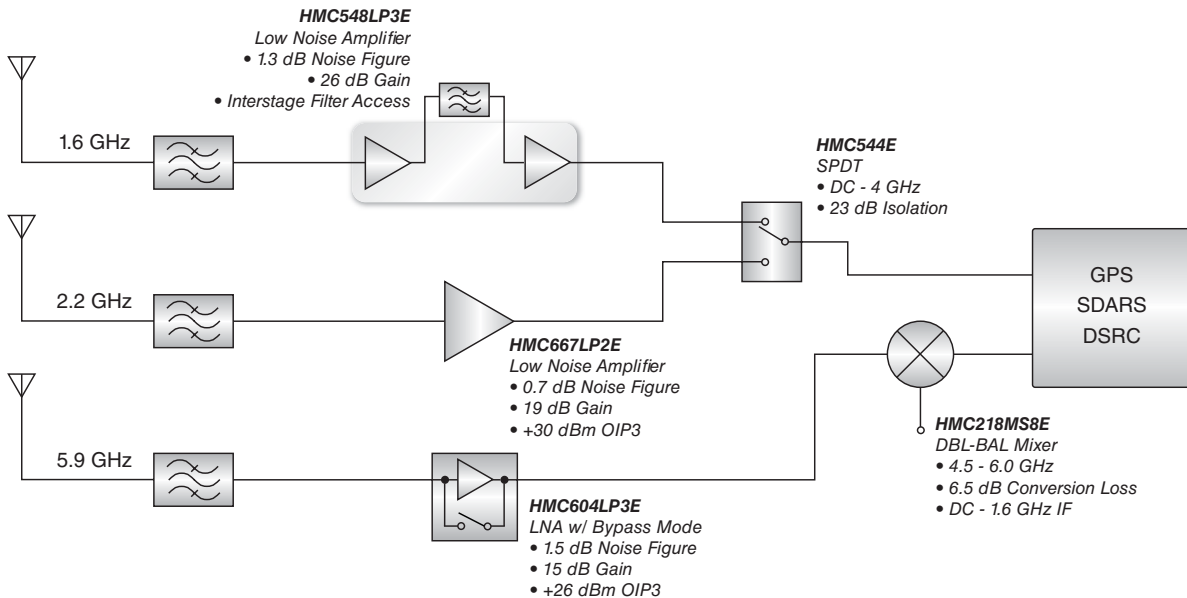
# A Selection of Hittite Components for

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## 24 GHz FMCW AUTOMOTIVE SENSOR



## GPS, SDARS & DSRC RF FRONT-END FOR TELEMATICS



Hittite Microwave is ISO/TS-16949 Certified for Standard & Custom Products



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