

ADVANCED INFORMATION

WIDE TUNE SINEWAVE VCO

SPECIFICATIONS		PSH665		
Operating Frequency Range (RF)		465 MHz to 865 MHz		
Tune Voltage (Vt)		0.5V to 18V		
Operating Temperature Range		-40°C to +85°C		
Output	Waveform	Sinewave		
	Load	50 Ohms		
	Power	-5 dBm Minimum		
	Load Pulling	<TBD MHz (12 dB return loss any phase)		
	Pushing	<10 MHz/V		
	Phase Noise (In 1Hz Bandwidth)	@10KHz	-90 dBc/Hz , Typical	
		@25KHz	TBD dBc/Hz , Typical	
		@100KHz	-110 dBc/Hz , Typical	
@1MHz		-130 dBc/Hz , Typical		
Spurious	2nd Harmonic	<-8 dBc		
	Non-Harmonic	<-70 dBc		
Supply Voltage (Vcc)		+5V ±5%		
Supply Current (Icc)		8mA Typical , 15mA Maximum		
Package		Non-hermetic, surface mount FR-4 package		

NOTE 1— Electrical specifications for operation within: Operating Temperature Range, Operating Frequency Range, and Supply Limits.

