

Travelling Merchant: \_\_\_\_\_

# DATASHEET

Standard:     **T75B-H819-80.00MHz**    

P/N: \_\_\_\_\_

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2022.09.14			

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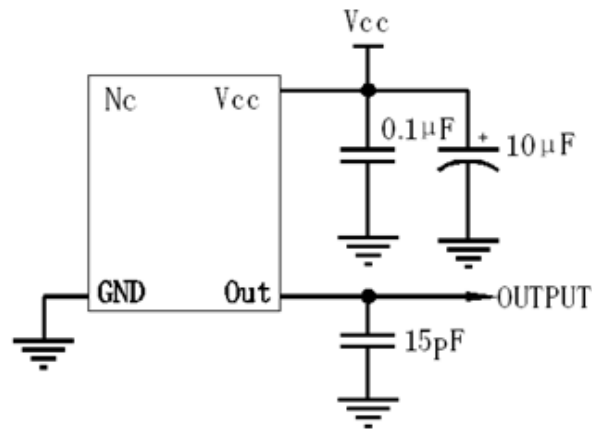
## 1. Electrical Parameters

MODEL: T75B-H819-80.00MHZ						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency	80.00			MHz	
	Output Waveform	LVCMOS				
	Output Low Voltage			0.4	V	V <sub>cc</sub> =3.3V, O <sub>load</sub> =15 pF
	Output High Voltage	2.4			V	V <sub>cc</sub> =3.3V, O <sub>load</sub> =15 pF
	Duty Cycle	45	50	55	%	@50%
	Rise / Fall Time (10%~90%)		7	8	ns	@25°C
	Load	15			pF	
Frequency Stabilities	Frequency Tolerance vs. Operating Temperature Range	-2		+2	× 10 <sup>-6</sup>	T <sub>A</sub> varied from -40°C to 85°C, measurement referenced to frequency observed with T <sub>A</sub> = 25°C, V <sub>cc</sub> = 3.3V, O <sub>load</sub> =15pF, temperature variable speed less than 2°C per minute.
	Initial Frequency Tolerance	-1		+1	× 10 <sup>-6</sup>	Measurement referenced to frequency observed with T <sub>A</sub> = 25°C, V <sub>cc</sub> = 3.3V within 30 days after ex-works.
	Frequency Tolerance vs. Load	-0.2		+0.2	× 10 <sup>-6</sup>	5% load change measurement referenced to frequency observed with T <sub>A</sub> =25°C, V <sub>cc</sub> =3.3V, O <sub>Load</sub> = 15pF.
	Aging Tolerance Per Day	-0.02		+0.02	× 10 <sup>-6</sup>	T <sub>A</sub> =25°C, V <sub>cc</sub> =3.3V, and after 1h of operation.
	Aging Tolerance 1 Year	-1		+1	× 10 <sup>-6</sup>	
Power Supply	Current Consumption		12		mA	@25°C, V <sub>cc</sub> =3.3V, O <sub>Load</sub> =15pF.
	Supply Voltage		3.3		V	
Phase Noise	Phase Noise		-110		dBc/Hz	1KHz
Environmental Conditions	Operable Temperature	-40		+85	°C	
	Storage Temperature	-55		+105	°C	
	ESD Level	Human Body Model, class2: 2000V to 4000V; ANSI/ESDA/JEDEC JS-001-2010.				
		Machine Model, class B: 200V to 400V; JEDEC JESD22-A115C.				
	Moisture Sensitivity Level	Level 2.				
	Vibration	Test Condition: 0.75mm ;acceleration:10g;10Hz~2000Hz, one cycle per 30 min, test 2 hour. (3 times for each 3 directions X , Y , Z) .IEC 68-2-06 Test Fc.				
Shock	100g; 6ms; half sine wave (3 times for each 3 directions X , Y , Z) ,IEC 68-2-27 Test Ea/Severity 50A.					

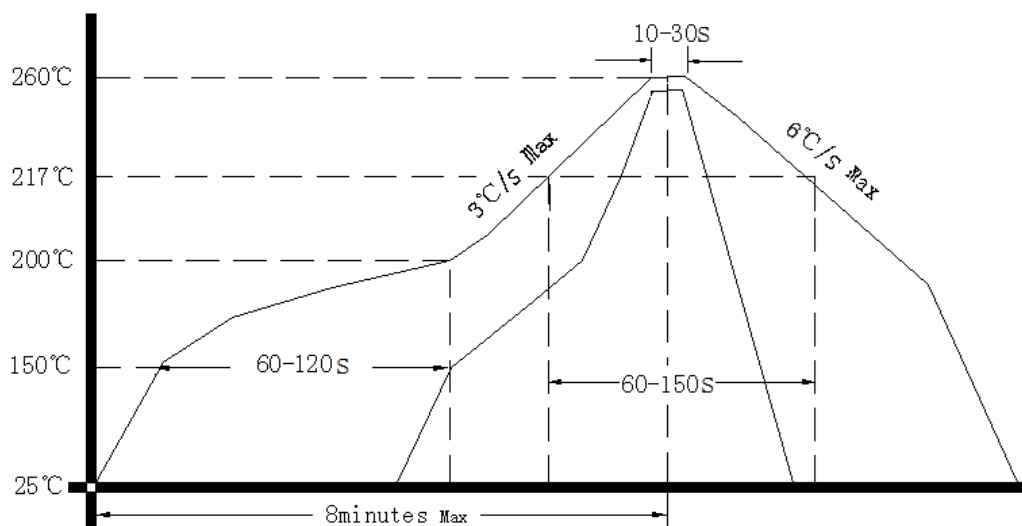




### 3. Test circuit



### 4. Reflow Soldering Curve (RoHS)



### 5. Package: Tape & Reel (mm)

