



Table 4-2. MPC821 Power Consumption

OPERATION MODE	UDR2 (.50 μ) EQUATION	POWER @ 50MHZ UDR2 (.50 μ)	UDR2 (.42 μ) EQUATION	POWER @ 25MHZ UDR2 (.42 μ)	POWER @ 50MHZ UDR2 (.42 μ)	POWER @ 66MHZ UDR2 (.42 μ)
Normal High LPM=00 TEXPS=1	$\approx 20 \text{ mW} + F_s/50 * 1/2^{DFNH} \text{ W}$	1.02 W	$\approx 20 \text{ mW} + F_s/50 * (.84)^{2^{DFNH}} \text{ W}$	440 mW	860 mW	1.13 W
Normal Low LPM=00 TEXPS=1	$\approx 20 \text{ mW} + F_s/50 * 1/2^{(DFNL+1)} \text{ W}$	520 mW	$\approx 20 \text{ mW} + F_s/50 * (.84)^{2^{(DFNL+1)}} \text{ W}$	230 mW	440 mW	574 mW
Doze High LPM=01 TEXPS=1	$\approx 20 \text{ mW} + F_s/50 * 0.4/2^{DFNH} \text{ W}$	420 mW	$\approx 20 \text{ mW} + F_s/50 * 0.4(.84)^{2^{DFNH}} \text{ W}$	188 mW	356 mW	464 mW
Doze Low LPM=01 TEXPS=1	$\approx 20 \text{ mW} + F_s/50 * 0.4/2^{(DFNL+1)} \text{ W}$	220 mW	$\approx 20 \text{ mW} + F_s/50 * 0.4(.84)^{2^{(DFNL+1)}} \text{ W}$	104 mW	188 mW	242 mW
Sleep LPM=10 TEXPS=1	-	10 mW	-	10 mW	10 mW	10 mW
Deep-Sleep LPM=11 TEXPS=1	-	40 μ A	-	40 μ A	40 μ A	40 μ A
Power-Down LPM=11 TEXPS=0	-	10 μ A	-	10 μ A	10 μ A	10 μ A

NOTE: F_s IS THE SYSTEM FREQUENCY IN MHZ

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