

Table 4-2. MPC823 (UDR & CDR) Power Consumption

OPERATION MODE	F98S UDR2 (.42 μ) EQUATION	POWER @ 50MHZ F98S UDR2 (.42 μ)	H89G CDR2 (.36 μ) EQUATION	POWER @ 25MHZ H89G CDR2 (.36 μ)	POWER @ 50MHZ H89G CDR2 (.36 μ)	POWER @ 66MHZ H89G CDR2 (.36 μ)
Normal High LPM=00 TEXPS=1	$\approx 20 \text{ mW} + F_s/50 * (.78)/2^{\text{DFNH}} \text{ W}$	800 mW	$\approx 20 \text{ mW} + F_s/50 * (.555)/2^{\text{DFNH}} \text{ W}$	298 mW	575 mW	752 mW
Normal Low LPM=00 TEXPS=1	$\approx 20 \text{ mW} + F_s/50 * (.78)/2^{(\text{DFNL}+1)} \text{ W}$	410 mW	$\approx 20 \text{ mW} + F_s/50 * (.555)/2^{(\text{DFNL}+1)} \text{ W}$	159 mW	298 mW	385 mW
Doze High LPM=01 TEXPS=1	$\approx 20 \text{ mW} + F_s/50 * 0.4(.78)/2^{\text{DFNH}} \text{ W}$	332 mW	$\approx 20 \text{ mW} + F_s/50 * 0.4(.555)/2^{\text{DFNH}} \text{ W}$	131 mW	242 mW	312 mW
Doze Low LPM=01 TEXPS=1	$\approx 20 \text{ mW} + F_s/50 * 0.4(.78)/2^{(\text{DFNL}+1)} \text{ W}$	176 mW	$\approx 20 \text{ mW} + F_s/50 * 0.4(.555)/2^{(\text{DFNL}+1)} \text{ W}$	76 mW	131 mW	166 mW
Sleep LPM=10 TEXPS=1	-	10 mW	-	10 mW	10 mW	10 mW
Deep-Sleep LPM=11 TEXPS=1	-	40μA	-	40μA	40μA	40μA
Power-Down LPM=11 TEXPS=0	-	10μA	-	10μA	10μA	10μA

NOTE: F_s IS THE SYSTEM FREQUENCY IN MHZ