

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	$\approx 20 \text{ mW} + F_s/50 * (.78)/2^{D_{FNH}} \text{ W}$	800 mW	$\approx 20 \text{ mW} + F_s/50 * (.555)/2^{D_{FNH}} \text{ W}$	298 mW	575 mW	752 mW
Normal Low LPM=00 TEXPS=1	$\approx 20 \text{ mW} + F_s/50 * (.78)/2^{D_{FNH}+1} \text{ W}$	410 mW	$\approx 20 \text{ mW} + F_s/50 * (.555)/2^{D_{FNH}+1} \text{ W}$	159 mW	298 mW	385 mW
Doze High LPM=01 TEXPS=1	$\approx 20 \text{ mW} + F_s/50 * 0.4(.78)/2^{D_{FNH}} \text{ W}$	332 mW	$\approx 20 \text{ mW} + F_s/50 * 0.4(.555)/2^{D_{FNH}} \text{ W}$	131 mW	242 mW	312 mW
Doze Low LPM=01 TEXPS=1	$\approx 20 \text{ mW} + F_s/50 * 0.4(.78)/2^{D_{FNH}+1} \text{ W}$	176 mW	$\approx 20 \text{ mW} + F_s/50 * 0.4(.555)/2^{D_{FNH}+1} \text{ W}$	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	-	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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