



## ELECTRICAL CHARACTERISTICS

PARAMETER	CONDITIONS	TYP	MAX	UNITS
Supply Voltage			10	V
Supply Current (Active)		455	5	mA
Oscillator Frequency*				kHz
Output Voltage Logic "0"	150 $\mu$ A Sink		0.6	V
Logic "1"	10mA Source			V
Output Current	$V_{DD} - 1.4V$		-20	mA
Input Levels Logic "0"	MS = 0, $4.5 \leq V_{DD} \leq 5.5$		0.5	V
Logic "1"	Diode Mode			V
Input Current $R_0-R_6, MS$	MS = 0, $4.5V \leq V_{DD} \leq 5.5V$		1.0	$\mu$ A
$R_7$	$0V \leq V_{IN} \leq V_{DD}$ $V_{IN} = 0.4V$		0.8	mA
Input Current $R_0-R_7$	MS = 1, $3.0V \leq V_{DD} \leq 10V$		1.6	mA
MS	$V_{IN} = 0.4V$ $0V \leq V_{IN} \leq V_{DD}$		1	$\mu$ A
Output Current	MS = 1			$\mu$ A
Logic "1" Source	$V_{DD} = 3V, V_{OUT} = V_{DD} - 1V$			$\mu$ A
"1" Source	$V_{DD} = 10V, V_{OUT} = V_{DD} - 1V$			$\mu$ A
Logic "0" Sink	$V_{DD} = 3V, V_{OUT} = 0.4V$			$\mu$ A
"0" Sink				$\mu$ A
Output Current	MS = 0, $4.5V \leq V_{DD} \leq 5.5V$			$\mu$ A
Logic "1"	$V_{OUT} = 0.4V$		1	
Logic "0"				