



CHARACTERISTICS	CONDITIONS	MIN	TYP	MAX	UNIT
OPERATE (POSITIVE)	CONDITIONS	20	60	110	GAUSS
OPERATE (NEGATIVE)		-110	- 60	- 20	GAUSS
RELEASE (POSITIVE)		5	45	95	GAUSS
RELEASE (NEGATIVE)		- 95	- 45	- 5	GAUSS
DIFFERENTIAL		3	15	60	GAUSS
	CS (2.2V≤Vs≤5.5V, -40°C≤Ta≤85°C		<u> </u>		
CHARACTERISTIC	CONDITIONS	MIN	TYP	MAX	UNIT
SUPPLY VOLTAGE		2.2	2.8	5.5	VOLTS
ACTIVE MODE CURRENT			2.5	9	m A
SLEEP MODE CURRENT			1.5	8	μA
AVERAGE CURRENT			1.8	9	μA
ACTIVE MODE TIME		3	6	30	μS
PERIOD		20	45	150	mS ~
DUTY CYCLE		0.005	0.013	0.025	%
1				1	I VALTO I
V _{OL}	LOAD CURRENT = 100µA		0.11	0.25	VOLTS
V _{OL} V _{OH}	LOAD CURRENT = ۱۵۵هم LOAD CURRENT = ۱۵۵هم	V s - 0 . 25	0.11 Vs-0.11	0.25	VOLTS
		V s - 0 . 2 5 - 4 0		85	
V _{ОН}					VOLTS
VOH OPERATING TEMPERATURE STORAGE TEMPERATURE ELECTRICAL CHARACTERISTIC	LOAD CURRENT = 100 µA CS (Vs = 2.8V, Ta = 25°C)	- 40		85	VOLTS °C
V _{OH} OPERATING TEMPERATURE STORAGE TEMPERATURE	LOAD CURRENT = 100µA	- 4 0 - 4 0	V s - 0 . I I	85 150	VOLTS °C °C
VOH OPERATING TEMPERATURE STORAGE TEMPERATURE ELECTRICAL CHARACTERISTIC CHARACTERISTIC	LOAD CURRENT = 100 µA CS (Vs = 2.8V, Ta = 25°C)	- 4 0 - 4 0	V s - 0 . I I	85 150	°C °C
OPERATING TEMPERATURE STORAGE TEMPERATURE ELECTRICAL CHARACTERISTIC CHARACTERISTIC ACTIVE MODE CURRENT	LOAD CURRENT = 100 µA CS (Vs = 2.8V, Ta = 25°C)	- 4 0 - 4 0	TYP 2.5	85 150 MAX 4	°C °C
OPERATING TEMPERATURE STORAGE TEMPERATURE ELECTRICAL CHARACTERISTIC CHARACTERISTIC ACTIVE MODE CURRENT SLEEP MODE CURRENT	LOAD CURRENT = 100 µA CS (Vs = 2.8V, Ta = 25°C)	- 4 0 - 4 0	TYP 2.5 1.5	85 150 MAX 4	°C°C°C
OPERATING TEMPERATURE STORAGE TEMPERATURE ELECTRICAL CHARACTERISTIC CHARACTERISTIC ACTIVE MODE CURRENT SLEEP MODE CURRENT AVERAGE CURRENT	LOAD CURRENT = 100 µA CS (Vs = 2.8V, Ta = 25°C)	- 4 0 - 4 0	TYP 2.5 1.5 1.8	85 150 MAX 4	VOLTS °C °C UNIT mA μA μA
OPERATING TEMPERATURE STORAGE TEMPERATURE ELECTRICAL CHARACTERISTIC CHARACTERISTIC ACTIVE MODE CURRENT SLEEP MODE CURRENT AVERAGE CURRENT ACTIVE MODE TIME	LOAD CURRENT = 100 µA CS (Vs = 2.8V, Ta = 25°C)	- 4 0 - 4 0 MIN	TYP 2.5 1.5 1.8 6	85 150 MAX 4 2.5 3 9	VOLTS °C °C C UNIT MA μA μA μA μS
OPERATING TEMPERATURE STORAGE TEMPERATURE ELECTRICAL CHARACTERISTIC CHARACTERISTIC ACTIVE MODE CURRENT AVERAGE CURRENT ACTIVE MODE TIME PERIOD	LOAD CURRENT = 100 µA CS (Vs = 2.8V, Ta = 25°C)	- 40 - 40 MIN	TYP 2.5 1.5 1.8 6 45	85 150 MAX 4 2.5 3 9	VOLTS °C °C C UNIT MA μA μA μA μS
OPERATING TEMPERATURE STORAGE TEMPERATURE ELECTRICAL CHARACTERISTIC CHARACTERISTIC ACTIVE MODE CURRENT SLEEP MODE CURRENT AVERAGE CURRENT ACTIVE MODE TIME PERIOD DUTY CYCLE VOL	LOAD CURRENT = 100 µA CS (Vs = 2.8V, Ta = 25°C) CONDITIONS	- 40 - 40 MIN	TYP 2.5 1.5 1.8 6 45 0.013	85 150 MAX 4 2.5 3 9 80 0.016	VOLTS °C °C °C UNIT MA
OPERATING TEMPERATURE STORAGE TEMPERATURE ELECTRICAL CHARACTERISTIC CHARACTERISTIC ACTIVE MODE CURRENT SLEEP MODE CURRENT AVERAGE CURRENT ACTIVE MODE TIME PERIOD DUTY CYCLE	LOAD CURRENT = 100 µA CS (Vs = 2.8V, Ta = 25°C) CONDITIONS LOAD CURRENT = 100 µA LOAD CURRENT = 100 µA	- 40 - 40 MIN 3 30 0.01	TYP 2.5 1.5 1.8 6 45 0.013 0.11	85 150 MAX 4 2.5 3 9 80 0.016	VOLTS °C °C °C UNIT MA
OPERATING TEMPERATURE STORAGE TEMPERATURE ELECTRICAL CHARACTERISTIC CHARACTERISTIC ACTIVE MODE CURRENT SLEEP MODE CURRENT AVERAGE CURRENT ACTIVE MODE TIME PERIOD DUTY CYCLE VOL VOH	LOAD CURRENT = 100 µA CS (Vs = 2.8V, Ta = 25°C) CONDITIONS LOAD CURRENT = 100 µA LOAD CURRENT = 100 µA	- 40 - 40 MIN 3 30 0.01	TYP 2.5 1.5 1.8 6 45 0.013 0.11	85 150 MAX 4 2.5 3 9 80 0.016	VOLTS °C °C °C UNIT MA
OPERATING TEMPERATURE STORAGE TEMPERATURE STORAGE TEMPERATURE ELECTRICAL CHARACTERISTIC CHARACTERISTIC ACTIVE MODE CURRENT SLEEP MODE CURRENT AVERAGE CURRENT ACTIVE MODE TIME PERIOD DUTY CYCLE VOL VOH ABSOLUTE MAXIMUM RATING	LOAD CURRENT = 100 µA CS (Vs = 2.8V, Ta = 25°C) CONDITIONS LOAD CURRENT = 100 µA LOAD CURRENT = 100 µA	- 40 - 40 MIN 3 30 0.01 Vs-0.15	TYP 2.5 1.5 1.8 6 45 0.013 0.11 Vs-0.11	85 150 MAX 4 2.5 3 9 80 0.016 0.15	VOLTS °C °C °C UNIT MA
OPERATING TEMPERATURE STORAGE TEMPERATURE ELECTRICAL CHARACTERISTIC CHARACTERISTIC ACTIVE MODE CURRENT AVERAGE CURRENT ACTIVE MODE TIME PERIOD DUTY CYCLE VOL VOH ABSOLUTE MAXIMUM RATING CHARACTERISTIC	LOAD CURRENT = 100 µA CS (Vs = 2.8V, Ta = 25°C) CONDITIONS LOAD CURRENT = 100 µA LOAD CURRENT = 100 µA	- 40 - 40 MIN 3 30 0.01 Vs-0.15	TYP 2.5 1.5 1.8 6 45 0.013 0.11 Vs-0.11	85 150 MAX 4 2.5 3 9 80 0.016 0.15	VOLTS °C °C °C UNIT MA µA µA µS MS VOLTS VOLTS VOLTS
OPERATING TEMPERATURE STORAGE TEMPERATURE ELECTRICAL CHARACTERISTIC CHARACTERISTIC ACTIVE MODE CURRENT SLEEP MODE CURRENT AVERAGE CURRENT ACTIVE MODE TIME PERIOD DUTY CYCLE VOL VOH ABSOLUTE MAXIMUM RATING CHARACTERISTIC SUPPLY VOLTAGE	LOAD CURRENT = 100 µA CS (Vs = 2.8V, Ta = 25°C) CONDITIONS LOAD CURRENT = 100 µA LOAD CURRENT = 100 µA CONDITIONS CONDITIONS	- 40 - 40 MIN 3 30 0.01 Vs-0.15	TYP 2.5 1.5 1.8 6 45 0.013 0.11 Vs-0.11	85 150 MAX 4 2.5 3 9 80 0.016 0.15	VOLTS °C °C °C °C VNIT MA
OPERATING TEMPERATURE STORAGE TEMPERATURE STORAGE TEMPERATURE ELECTRICAL CHARACTERISTIC CHARACTERISTIC ACTIVE MODE CURRENT SLEEP MODE CURRENT AVERAGE CURRENT ACTIVE MODE TIME PERIOD DUTY CYCLE VOL VOH ABSOLUTE MAXIMUM RATING CHARACTERISTIC SUPPLY VOLTAGE OPERATING TEMPERATURE	LOAD CURRENT = 100 µA CS (Vs = 2.8V, Ta = 25°C) CONDITIONS LOAD CURRENT = 100 µA LOAD CURRENT = 100 µA S CONDITIONS AMBIENT	- 40 - 40 MIN 3 30 0.01 Vs-0.15	TYP 2.5 1.5 1.8 6 45 0.013 0.11 Vs-0.11	85 150 MAX 4 2.5 3 9 80 0.016 0.15	VOLTS °C °C °C VNIT MA

