

Types OHN3075U, OHS3075U

Electrical Characteristics ($V_{CC} = 4.5 \text{ V}$ to 24 V , $T_A = 25^\circ \text{ C}$ unless otherwise noted)

SYMBOL	PARAMETER	MIN	TYP	MAX	UNITS	TEST CONDITIONS
B_{OP}	Magnetic Operate Point ⁽²⁾	50	100	250	Gauss	
B_{RP}	Magnetic Release Point	-250	-100	-50	Gauss	
B_H	Magnetic Hysteresis	100	200	500	Gauss	
I_{CC}	Supply Current		4	7	mA	$V_{CC} = 24 \text{ V}$, Output Off $B \leq -250 \text{ Gauss}$
V_{OL}	Output Saturation Voltage		100	400	mV	$V_{CC} = 4.5 \text{ V}$, $I_{OL} = 20 \text{ mA}$, $B \geq 250 \text{ Gauss}$
I_{OH}	Output Leakage Current		0.1	10.0	μA	$V_{CC} = 24 \text{ V}$, $V_{OUT} = 24 \text{ V}$, $B \leq -250 \text{ Gauss}$
t_r	Output Rise Time		0.05	1.00	μs	$R_L = 820 \Omega$, $C_L = 20 \text{ pF}$, $V_{CC} = 12 \text{ V}$
t_f	Output Fall Time		0.10	1.00	μs	

(2) South pole facing symbolized surface.

Typical Performance Curves

