



# Types OHN3075U, OHS3075U

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

SYMBOL	PARAMETER	MIN	TYP	MAX	UNITS	TEST CONDITIONS
$B_{OP}$	Magnetic Operate Point <sup>(2)</sup>	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	$\mu\text{A}$	$V_{CC} = 24 \text{ V}$ , $V_{OUT} = 24 \text{ V}$ , $B \leq -250 \text{ Gauss}$
$t_r$	Output Rise Time		0.05	1.00	$\mu\text{s}$	$R_L = 820 \Omega$ , $C_L = 20 \text{ pF}$ , $V_{CC} = 12 \text{ V}$
$t_f$	Output Fall Time		0.10	1.00	$\mu\text{s}$	

(2) South pole facing symbolized surface.

## Typical Performance Curves

