



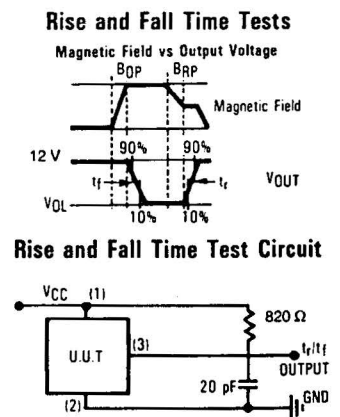
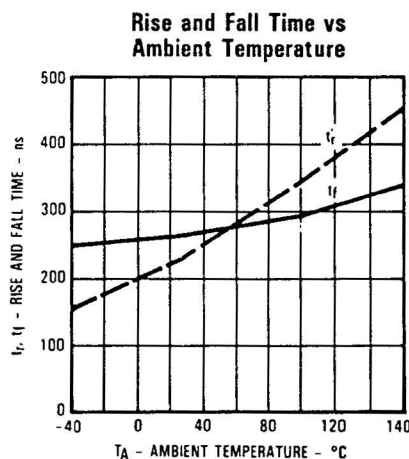
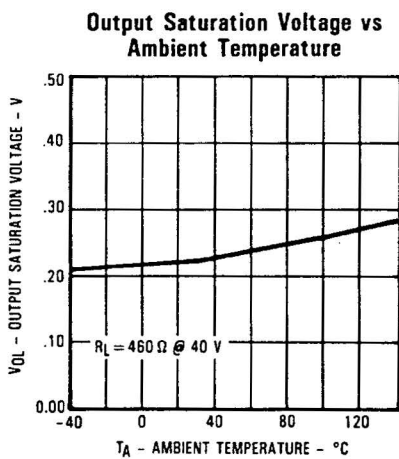
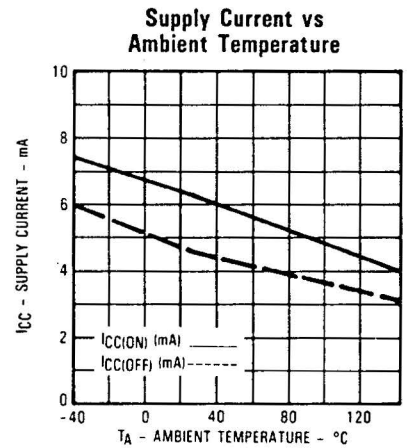
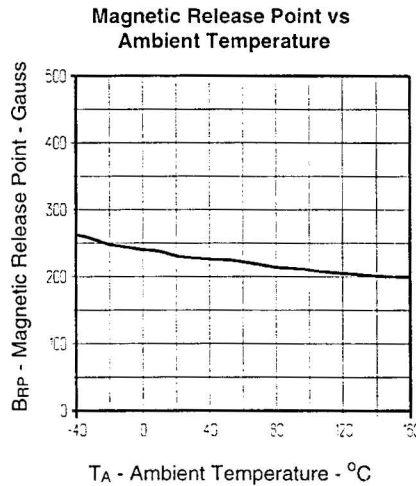
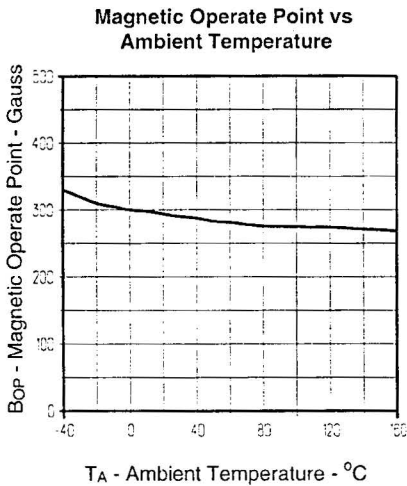
# Types OHN3020U, OHS3020U

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

SYMBOL	PARAMETER	MIN	TYP	MAX	UNITS	TEST CONDITIONS
B <sub>OP</sub>	Magnetic Operate Point <sup>(2)</sup>		230	350	Gauss	
B <sub>RP</sub>	Magnetic Release Point	50	180		Gauss	
B <sub>H</sub>	Magnetic Hysteresis	20	50		Gauss	
I <sub>CC</sub>	Supply Current		4	7	mA	$V_{CC} = 24 \text{ V}$ , Output Off
V <sub>OL</sub>	Output Saturation Voltage		100	400	mV	$V_{CC} = 4.5 \text{ V}$ , $I_{OL} = 20 \text{ mA}$ , $B \geq 350 \text{ Gauss}$
I <sub>OH</sub>	Output Leakage Current		0.1	10.0	$\mu\text{A}$	$V_{CC} = 24 \text{ V}$ , $V_{OUT} = 24 \text{ V}$ , $B \leq 50 \text{ Gauss}$
t <sub>r</sub>	Output Rise Time		0.21	1.00	$\mu\text{s}$	$R_L = 820 \Omega$ , $C_L = 20 \text{ pF}$
t <sub>f</sub>	Output Fall Time		0.25	1.00	$\mu\text{s}$	

(2) South pole facing symbolized surface.

## Typical Performance Curves



Optek reserves the right to make changes at any time in order to improve design and to supply the best product possible.  
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