



# Types OHN3130U, OHS3130U

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

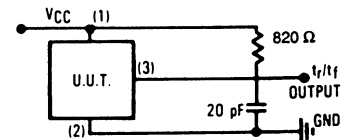
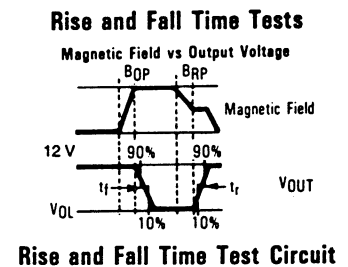
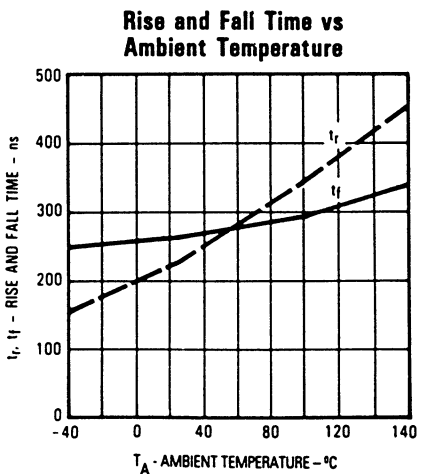
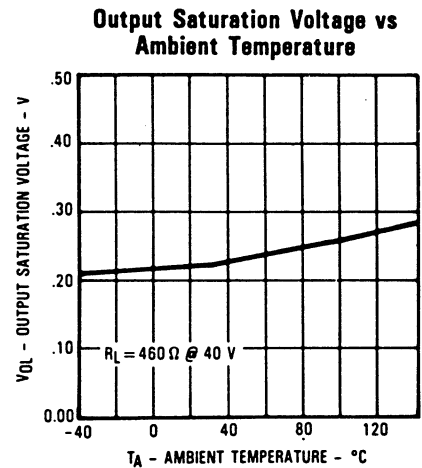
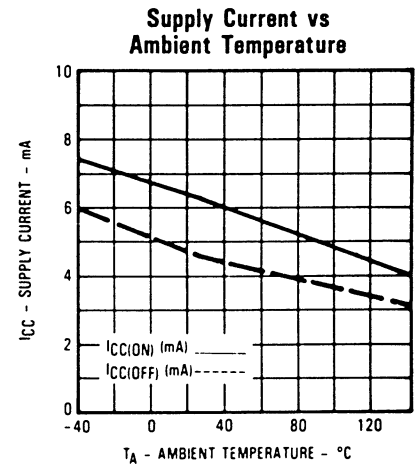
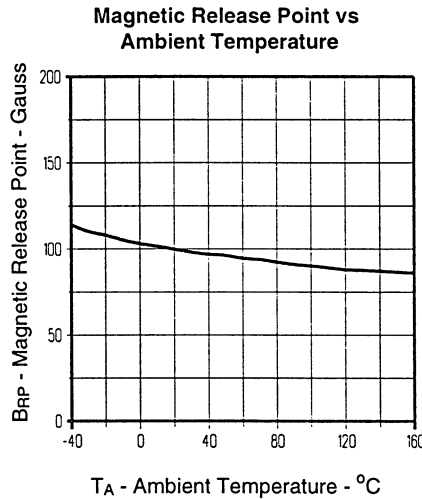
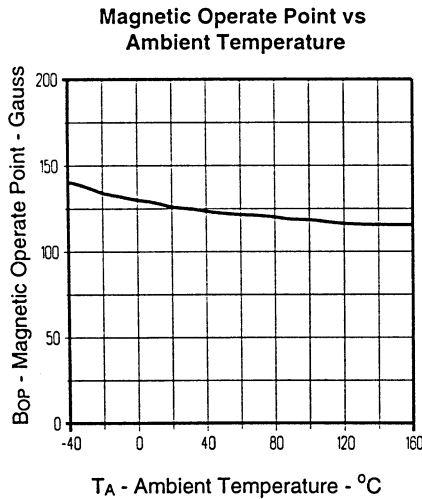
SYMBOL	PARAMETER	MIN	TYP	MAX	UNITS	TEST CONDITIONS
$I_{CC}$	Supply Current		4	7	mA	$V_{CC} = 24 \text{ V}$ , Output Off
$V_{OL}$	Output Saturation Voltage		100	400	mV	$V_{CC} = 4.5 \text{ V}$ , $I_{OL} = 20 \text{ mA}$ , $B \geq 200 \text{ Gauss}$
$I_{OH}$	Output Leakage Current		0.1	10.0	$\mu\text{A}$	$V_{CC} = 4.5 \text{ V}$ , $V_{OUT} = 24 \text{ V}$ , $B \leq -150 \text{ Gauss}$
$t_r$	Output Rise Time		0.21	1.00	$\mu\text{s}$	$R_L = 820 \Omega$ , $C_L = 20 \text{ pF}$
$t_f$	Output Fall Time		0.25	1.00	$\mu\text{s}$	

## Magnetic Characteristics

CHARACTERISTICS	SYMBOL	$T_A = 25^\circ \text{ C}$		$T_A = -20^\circ \text{ C to } 85^\circ \text{ C}$		$T_A = -40^\circ \text{ C to } 125^\circ \text{ C}$		UNITS
		MIN	MAX	MIN	MAX	MIN	MAX	
Operate Point <sup>(2)</sup>	$B_{OP}$		150		175		200	G
Release Point	$B_{RP}$	-150		-175		-200		G
Hysteresis	$B_H$	20		20		20		G

(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.  
 Optek Technology, Inc. 1215 W. Crosby Road Carrollton, Texas 75006 (972)323-2200 Fax (972)323-2396