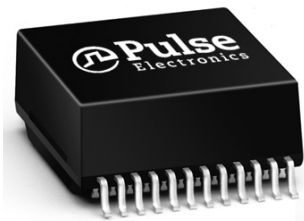


# LAN Product

## Single Port PoE-ultra Gigabit Module



- High Power rated Gigabit Module supports 48W over 2 pair (850mA at 57V) continuous
- Industry Standard SMD Package and Footprint
- 245°C Peak Reflow Solder Temperature

Electrical Specifications @ 25°C - Operating Temperature -40°C to +85°C, Storage Temperature -55°C to 125°C

Part Number	OCL * @ 25mA DC Bias (uH min)	Insertion Loss* 1-100MHz (dB MAX)	Return Loss* (dB min) (Z=100Ω)					DCMR (dB MIN)	DCR (dB MIN)				Hi-Pot (V <sub>RMS</sub> )
			1-30 MHz	40 MHz	50 MHz	60-80 MHz	100 MHz		0.1 to 100 MHz	30 MHz	60 MHz	100 MHz	
HX6106NL	350	1.4	-18	-16	-14	-10	-8	-33	-43	-37	-33	1500	

### Notes:

\* Tested and specified at 25°C +/- 10°C

### Mechanical

### Schematic

**HX6106NL**

Weight .....1.9 grams  
Tape & Reel .....250/reel  
Tube Qty .....25 pcs  
Dimensions:  $\frac{\text{Inches}}{\text{mm}}$   
Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0,25}$

**LEGEND**

T <sub>d</sub>	↔	M <sub>x</sub>	MEDIA SIDE
T <sub>d</sub>	↔	M <sub>x</sub>	
T <sub>d</sub>	↔	M <sub>x</sub>	
T <sub>d</sub>	↔	M <sub>x</sub>	

CHIP SIDE

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