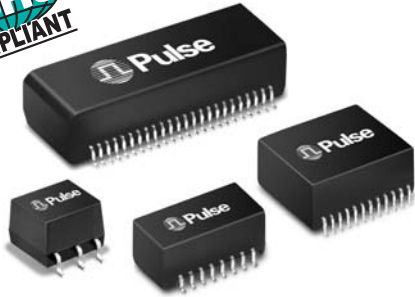






POWER OVER ETHERNET (PoE) MAGNETICS

10/100BASE-TX VoIP Magnetics Modules



-  For RoHS part add suffix **NL²**
-  Peak solder temperature rating per Table 5-2 in IPC/JEDEC J-STD-020C
-  IEEE 802.3af/ANSI X3.263 compliant performance
-  Designed for IP phone or switch applications

Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

Part Number	RoHS ²	Ports	Insertion Loss (dB MAX)	Return Loss (dB MIN @ 100 Ω)				Differential to Common Mode Rejection (dB MIN)			Crosstalk (dB MIN)			Hipot (Vrms MIN)	DC Resistance Balance ≤ (%)
				1-100 MHz	1-30 MHz	40 MHz	50 MHz	60-80 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz		
H1180	NL ^{4c}	1	-1.2	-16	-14	-13	-12	-43	-37	-33	-45	-40	-35	1500	—
H1187	NL ^{4c}	1	-1.2	-16	-14	-13	-12	-43	-37	-33	-45	-40	-35	1500	—
H1197	3, 4c	1	-1.2	-16	-14	-13	-12	-43	-37	-33	-45	-40	-35	1500	—
H2019	NL ^{4c}	1	-1.2	-16	-14	-13	-12	-43	-37	-33	-45	-40	-35	1500	3.5
H2005A	NL ^{4d}	2	-1.2	-16	-14	-13	-12	-50	-43	-35	-43	-37	-33	1500	3.5
H2006A	NL ^{4d}	2	-1.2	-16	-14	-13	-12	-43	-37	-33	-43	-37	-31	1500	3.5
H2008	NL ^{4d}	2	-1.2	-16	-14	-13	-12	-40	-35	-30	-43	-37	-33	1500	3.5
H2009	NL ^{4c}	2	-1.1	-16	-14	-13	-12	-43	-37	-33	-43	-37	-33	1500	3.5
H2014	3, 4c	4	-1.2	-16	-14	-13	-12	-43	-37	-33	-45	-40	-35	1500	3.5
H2017	3, 4c	4	-1.2	-16	-14	-13	-12	-43	-37	-33	-45	-40	-35	1800	3.5
HX2019 ¹	NL ^{4a}	1	-1.4	-16	-14	-13	-12	—	—	—	-45	-40	-35	1500	3.5

1. Extended temperature (-40°C to +85°C)
2. Add suffix **NL** for RoHS compliant parts, e.g. H1180 changes to H1180NL
3. Contact Pulse for RoHS compliant part availability
4. MSL=Moisture Sensitivity Level a=1 b=2 c=3 d=4 e=5

Mechanicals

H1180

Weight 0.6 grams
Tape & Reel500/reel
Tube65/tube

H1187

Weight 0.6 grams
Tape & Reel 500/reel
Tube 70/tube

Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

