

Designed to Support 100/1000M BASE-T Transceivers



- Compliant with IEEE 802.3 standard
- Qualified with top 1000M PHY Manufacturers RoHS peak wave
- solder temperature rating 245°C
- Low profile package for PCI Express
- Fine-tune magnetics to specific PHY vendors

Series/Type: JXKM-0004NL P

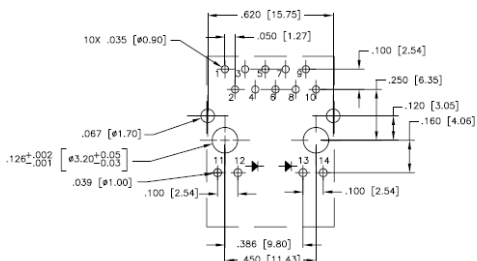
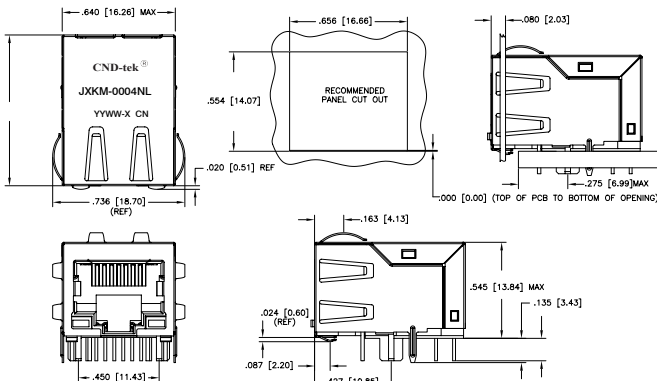
ELECTRICAL SPECIFICATIONS @25°C

Electrical Specifications @ 25°C

RoHS Compliant Part Number	OCL 100K 0.1V 8mA DC uH Min	DCR Ω Max	Insertion Loss (dB or better)		Return Loss (dB or better)		Common to Differential Mode Rejection (dB or better)		Cross Talk (dB or better)		Hipot (VRMS MIN)
			100 KHz	1-125 MHz	1-40 MHz	40-100 MHz	2MHz	30-200 MHz	1MHz	10-100 MHz	
JXKM-0004N L	350	1.2	1.2	-0.2-0.002*f 1.4 dB Max	-16	10+20*log ₁₀ (f/80)	-50	-20+20*log ₁₀ (f/200)	-50	-55+22*log ₁₀ (f/10)	2250

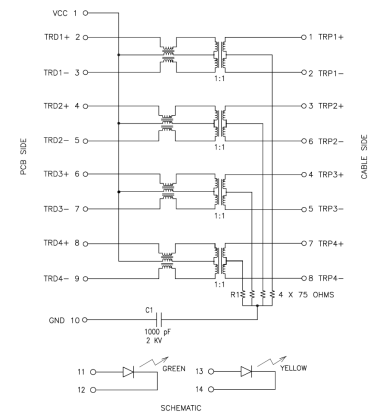
*Testing Conditions:100KHz 0.1V

DIMENSIONS & MARKING



SUGGESTED FOOTPRINT (COMPONENT SIDE SHOWN)

SCHEMATICS



Per Vendor's Specifivation

EMITTED COLOR	GREEN	YELLOW
WAVELENGTH (nm)	568 nM	585 nM
BRIGHTNESS (mCD)	8 TO 12 TYP. ⊗ 20mA	8 TO 12 TYP. ⊗ 20mA
VIEWING ANGLE	100°	100°
POWER DISSIPATION (Pd)	100 mW MAX	100 mW MAX
DC FORWARD CURRENT	150 mA MAX	150 mA MAX
REVERSE VOLTAGE (Vr)	5.0 V MAX	5.0 V MAX

Notes:

1. LEDs: (Left/Right) G = green, Y = yellow, A = amber