Ethernet Connectors

KLS electronic

RJ45 with Transformer

KLS12-TL137 1000 Base 2x4 RJ45

Electrical Specifications:

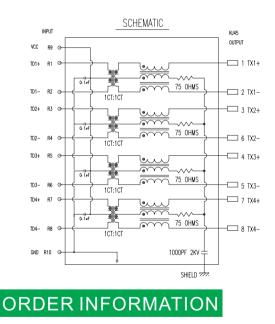
RoHS peak wave solder temperature rating 235° High performance for maximum EMI suppression 350uH minmum OCL with 8mA bias current PoE rating:15W,350mA,48V (For PoE Products only) MECHANICAL: JACK CAVITY CONFORMS TO FCC RULES AND

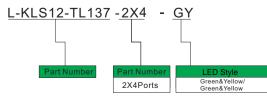
REGULATIONS,PART 68 SUBPART F. INSERTION FORCE: 2 CONTACTS----350g 4 CONTACTS----500g 6 CONTACTS----900g 8 CONTACTS----900g 10 CONTACTS----1050g RETENTION STRENGTH: 7.7Kgs BETWEEN JACK AND PLUG DURABILITY: 750 MATING CYCLES Mini

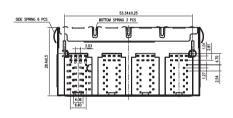
MATERIAL:

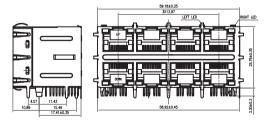
HOUSING: 1) GLASS FILLED PA66 (UL 94V-0) 2) GLASS FILLED PA46/LCP (UL 94V-0) 3) GLASS FILLED PBT (UL 94V-0) SPRING WIRE: 1) 0.2-0.45mm DIA PHOSPHOR BRONZE GOLD PLATING OVER NICKE 2) 0.2-0.35mm THICKNESS PHOSPHOR BRONZE ALLOY SELECTIVE GOLD PLATING OVER NICKEL











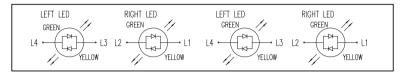
All specification & dimensions are subject to change, please call your nearest KLS sales represesntative for update information



RJ45 with Transformer

KLS12-TL137 1000 Base 2x4 RJ45

Electrical Specifications:



LED Specification

Standard LED Color	LED Wavelength	Forward (V MAX)	Typical (V TYP)	Luminous Intensity	
Green	560-580 nm	2.5V	2.1-2.2V	9-25 MCD	
Yellow	580-610 nm	2.5V	2.1-2.2V	9-30 MCD	
Orange	580-610 nm	2.5V	2.1-2.2V	50-100 MCD	

1. LED intensity/wavelength measured with Photo Research PR-650 Colormeter

2. With a forward current of 20 mA,Absolute Maximum Ratings(Ta=25°)

ELECTRICAL SPECIFICATIONS AT $25\,^\circ\mathrm{C}$

Insertion Loss dB max	Return Loss dB min		Crosstalk(db TYP)			Common Mode Rejection (dB TYP)		Hipot(vrms)	
1-100MHz	1-30MHz	30- 60MHz	60- 100MHz	1–30MHz	30- 60MHz	60- 100MH	z 1–50MHz	50–150MHz	
-1.0	-18	-16	-12	-40	-35	-30	-30	-20	1500/0.5mA

