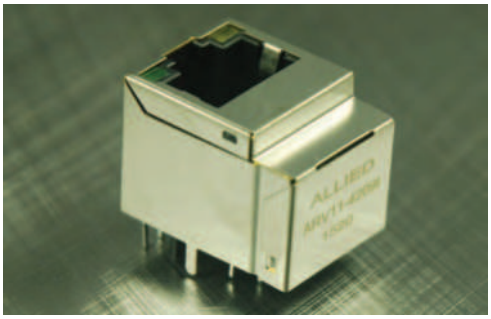
RoHS

Single Port Vertical Mount RJ45

ARV11-4209I



- 10/100 Base-T for Ethernet Applications
- For PoE Applications up to 600mA DC Max
- Meets IEEE802.3af standards
- Industrial Temp: -40ºC to +85ºC
- Available in other Circuit Designs

Electrical Specifications @ 25°C

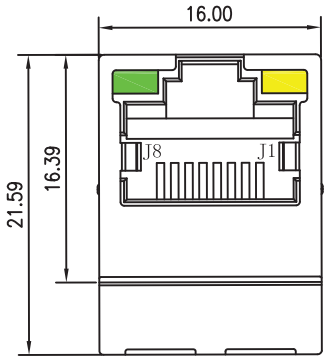
Part Number	OCL(uH Min) @ 100kHz, 0.1V With 8mA DC Bias	Turns Ratio chip: cable (±3%)	DCR Ω Max	Cross Talk (dB Min) 1-30MHz	30-60MHz	60-100MHz	Insertion Loss (dB Min) 1.0~100MHz
ARV11-4209I	350	1CT:1CT	1.2	-40	-35	-30	-1.0

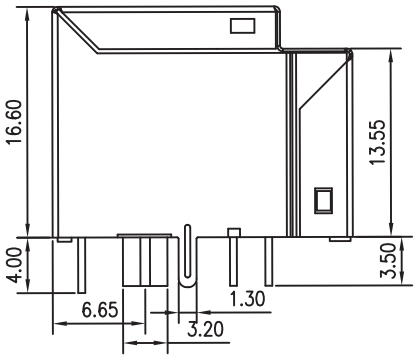
Electrical Specifications @ 25°C

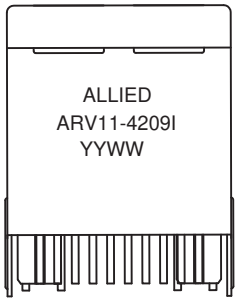
Part Number	Common Mode Rejection (dB Max) 1~50MHz	50~100MHz	Return Loss (dB Min) 1-30MHz	30-60MHz	60-100MHz	Hi-Pot Test Min
ARV11-4209I	-30	-20	-18	-15	-12	1500Vrms

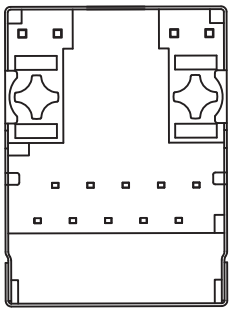
All specifications subject to change without notice.

MECHANICAL

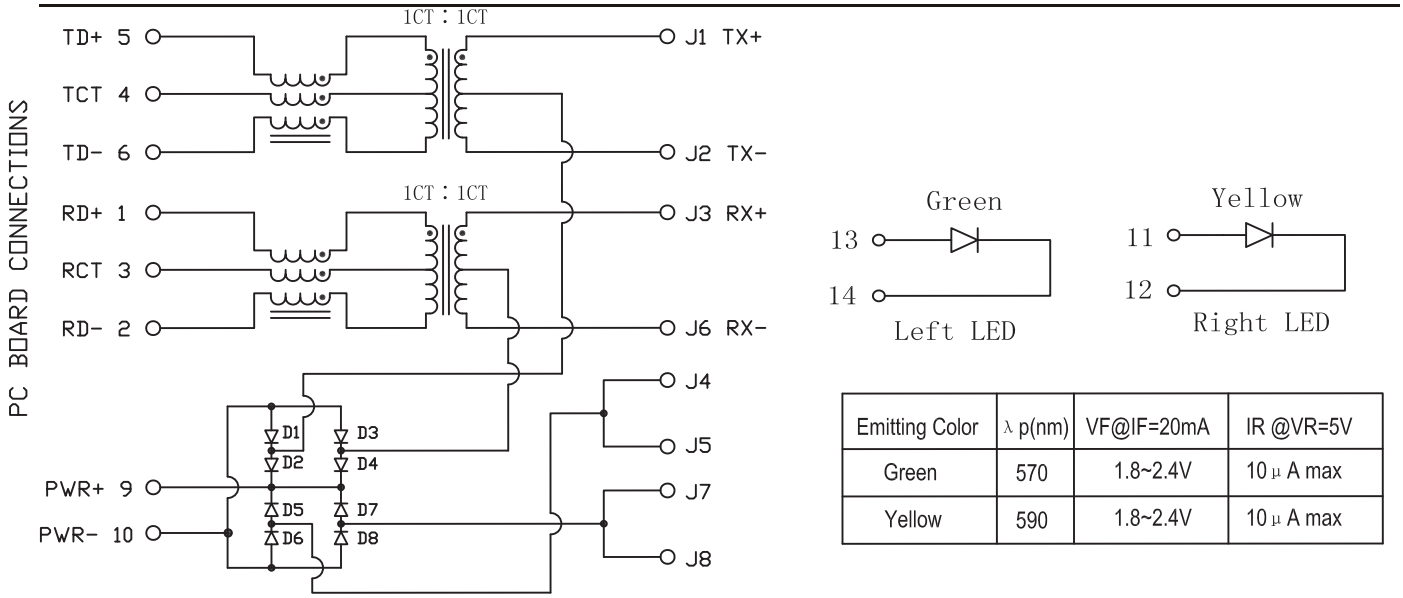






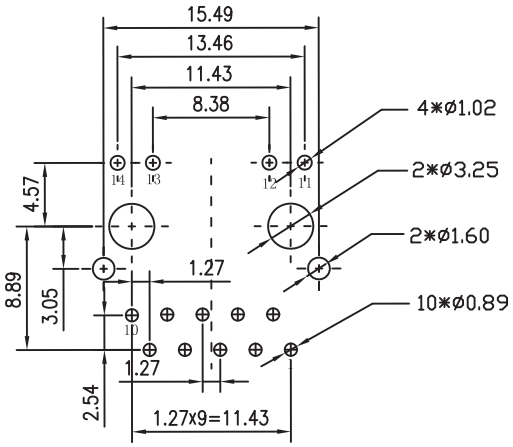


SCHEMATICS



Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
Green	570	1.8~2.4V	10μA max
Yellow	590	1.8~2.4V	10μA max

PCB LAYOUT



SUGGESTED PCB LAYOUT (TOP VIEW)

NOTES

Connector Materials:
Housing Material:Thermoplastic PBT+30%G.F UL94V-0
Contact Material:Phosphor Bonze C5210R-EH Thickness=0.35mm
Pins:Brass C2680R-H Thickness=0.35mm
Shield:SUS 201-1/2H Thickness=0.2mm
Contact plating: Gold 6 micro-inches min.In contact area.
Wave solder tip temperature: 265℃ Max, 5 Sec Max