

**“LAN-MATE” SERIES**

**SINGLE RJ45 CONNECTOR MODULE WITH INTEGRATED 1000 BASE-T MAGNETICS AND LEDS**

**P/N:LA1S109R-D43 LF**

**Feature**



- RJ-45 needs to be matched FCC standard
- Isolation @ 60Hz : Input to output:1500Vrms.
- Comply with RoHS requirements-whole part No Cd, No Hg, No Cr6+, No PBB and PBDE and No Pb on external pins.
- Operating temperature range: 0 to +70 .
- Storage temperature range: -25 to +85 .
- Recommended panel

Part Number	Standard LED	Forward*V(Max)	(TYP)
3	YELLOW	2.6V	2.1V
D4	GREEN&ORANGE	2.6V	2.2V

\*with a forward current of 20mA

**Electrical Specifications @ 25°C**

Part Number	Turns Ratio (±5%)		OCL (uH Min) @ 100KHz/0.1V with 8mA DC Bias	Cross talk (dB Min)			HI-POT (Vrms)
	TX	RX		0.3-30MHz	30-60MHz	60-100MHz	
LA1S109R-D43 LF	1CT:1CT	1CT:1CT	350	-40	-35	-30	1500

**Continue**

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min) @ Load 100				CMR (dB Min)		
		1-30MHz	30-40MHz	40-50MHz	50-80MHz	1-30MHz	30-60MHz	60-125MHz
LA1S109R-D43 LF	-1.0	-16	-13.5	-11.5	-10	-30	-25	-20

**Schematic**

Block Circuit x 1 set in LA1S109R-D43 LF



