

RJ-45

1000 BASE-T Magnetics

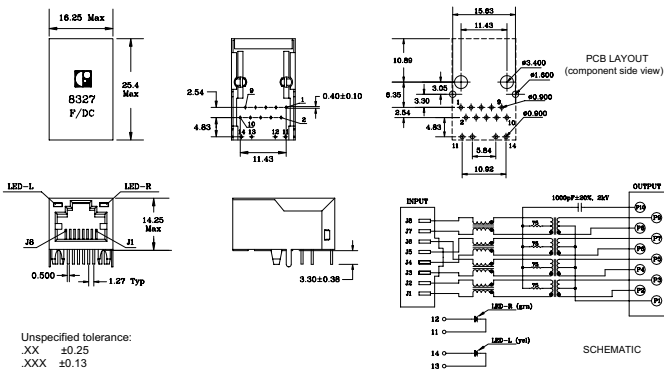
8327



- Meets IEEE 802.3 and ANSI X3.263 requirements including 350µH OCL with 8mA DC bias
- For use with Broadcom BCM5400, BCM5401, BCM5402 and the Marvell 88E1000 Gigabit phy transceivers
- Includes integrated LEDs. LED signal leads are isolate from the Ethernet signal leads to reduce EMI and crosstalk
- Contact Plating: 6u-inch gold flashed



Mechanical and Schematic (All dimensions in millimetres)



Unspecified tolerance:  
 .XX ±0.25  
 .XXX ±0.13

ELECTRICAL SPECIFICATION @ 25°C

Insertion Loss (dB MAX)					Return Loss (dB MIN)					Crosstalk Attenuation (dB MIN)					CMRR (dB MIN)				
0.1	1.0	15.1	60.1	80.1	0.1	1.0	15.1	60.1	80.1	0.1	1.0	15.1	60.1	80.1	0.1	1.0	15.1	60.1	80.1
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
.999	15.0	60.0	80.0	100	.999	15.0	60.0	80.0	100	.999	15.0	60.0	80.0	100	.999	15.0	60.0	80.0	100
MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
-1.0	-0.3	-0.6	-1.1	-1.1	-18	-18	-15	-12	-10	-43	-35	-26	-24	-24	-46	-46	-35	-35	-30

**Turns Ratio:** (P2-P3):(J1-J2) & (P4-P5):(J3-J6) & (P6-P7):(J4-J5) & (P8-P9):(J7-J8) : 1CT:1CT±3%  
**Inductance:** (P3-P2) & (P4-P5) & (P6-P7) & (P9-P8) @ 100 kHz, 0.1 V, 8mA DC Bias : 350µH MIN  
**LED Forward Current:** @ Input 2 VDC : 20mA Max  
**Hipot:** (Input to Output) @ 1.0 mA, 1 sec : 1500 VAC

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 An ISO 9001 Registered Company

229 Colonnade Road, Ottawa, Ontario, Canada K2E 7K3  
 Tel: (613) 226-1626 Fax: (613) 226-7124 www.filtran.com