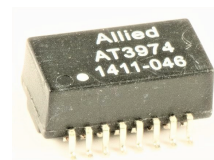




Single Port Isolation Transformer

AT3974

- 10/100 Base-T for Ethernet Applications
- Standard Operating Temperature range: -0°C to +70°C
- Maximum reflow temperature: 250°C/-5°C for 20-40 seconds
(Refer to IPC/JEDEC J-STD-02C Standard)

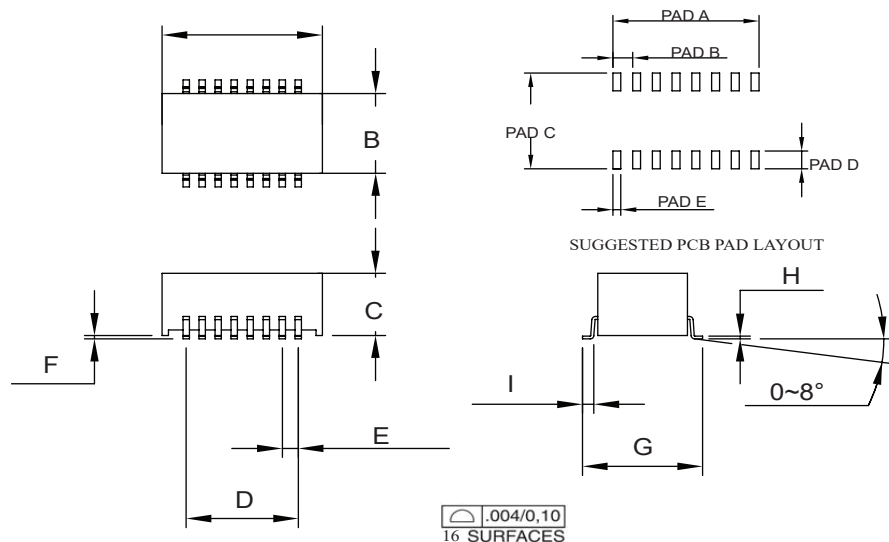


Electrical Specifications @25°C

Turn Ratio @ 10KHz, 20mV (±2%)		LP @ 100KHz, 20mV (uH min)			CW/W @ 100KHz, 20mV (pF max)	
(1-3) TO (16-4)	(6-8) TO (11-9)	(1 - 3)	(11 - 9)	15- (16-14)	(1-3) TO (16-4)	(6-8) TO (11-9)
1:1	1:2	98	70	42	8	12
Leakage Inductance @ 100KHz, 20mV (uH Max)		DC Resistance @ 10KHz, 20mV (Ω Max)				Isolation Voltage (Vrms MIN)
(1-3), (16-14 short)	(6-8), (11-9 short)	(1-3), (16-14)	(6-8), (11-9)	(15-16), (16-14)	(10-11), (10-9)	1500
0.30	0.20	0.6	0.6	0.6	0.6	

All specifications subject to change without notice.

MECHANICAL



Unit : mm/inch

A=12.80/0.504

B=6.80/0.268

C=6.20 max/0.244 max

D=8.89/0.350

E=1.27/0.050

F=0.25/0.010

G=9.40/0.370

H=0.25/0.010

I=0.90/0.035

PDA-A=9.53/0.375

PDA-B=1.27/0.050

PDA-C=10.50/0.413

PDA-D=1.70/0.067

PDA-E=0.76/0.030

SCHEMATICS

