

1000 BASE-T MAGNETICS MODULES

Designed to Support 1:1 Turns Ratio Transceivers



Suotek®

- 1) Designed for long haul Gigabit Ethernet (10/100/1000BASE-T) full duplex applications .
- 2) Supports 4 pairs of category 5 UTP cable .
- 3) Cable interface for isolation and low common mode emissions .
- 4) 720mA Current Capability--It is suitable for IEEE 802.3at

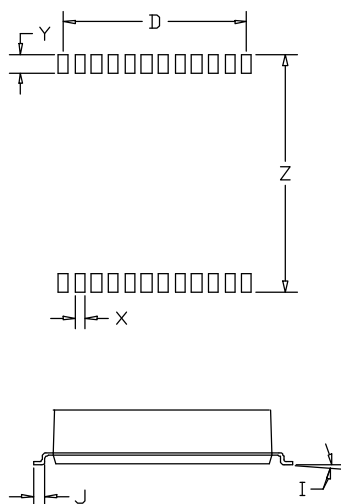
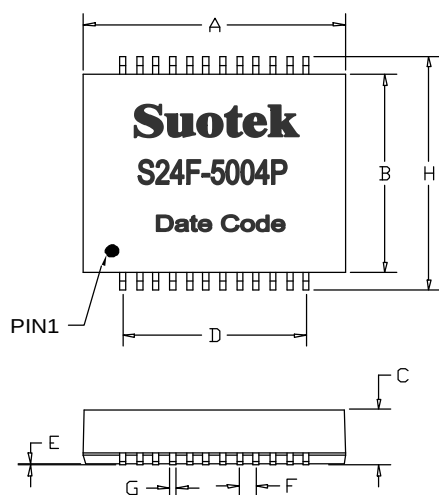


Electrical Specifications @ 25°C --- Operating temperature -40°C To +85°C .

P/N : S24F-5004P

Insertion Loss (dB Max)	Return Loss (dB Min. @ 100 ohm)					'Differential to Common Mode Rejection (dB Min.)			Crosstalk (dB Min.)			Hi-POT
1~100MHz	1~30MHz	40MHz	50MHz	60~80MHz	100MHz	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz	1mA/ 1 S
-1.0	-18	-14	-13	-12	-10	-43	-37	-33	-43	-37	-33	1500

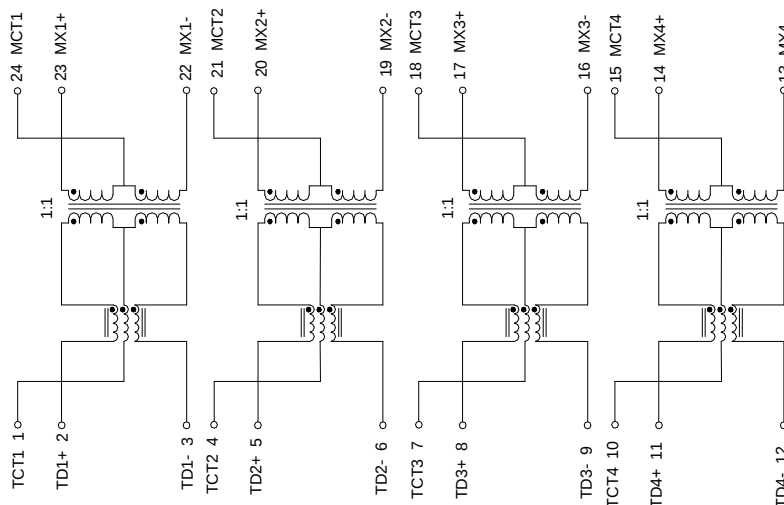
Mechanical Dimensions (Unit: inches / mm)



DIM	MILLIMETERS	
A	13.05	+ - 0.15
B	12.50	+ - 0.15
C	3.85(max)	
D	10.9 (typical)	
E	0.15	0.45
F	0.99 (typical)	
G	0.4(typical)	
H	14.80	+ - 0.15
I	0-8°	0-8°
J	0.75	1.15
X	0.64 (typical)	
Y	1.65 (typical)	
Z	15.75 (typical)	

Unless otherwise specified, all tolerances are $\pm 0.010 / 0.25$

Schematics



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