

# 100/1000 BASE-T TRANSFORMER MODULES

**D**esign For Long Hual Gigabit Ethernet 100/1000 BASE-Tx Full Duplex Applications.

**L**ow Profile Surface Mount Packaging Designed Reflow Process ( 250°C peak ).

**C**ompliant With IEEE 802ab draft standards for 1000Base-T.

**S**upports 4 Pairs Of Category 5 UTP Cable.

**F**or RoHS Part Add Suffix G.



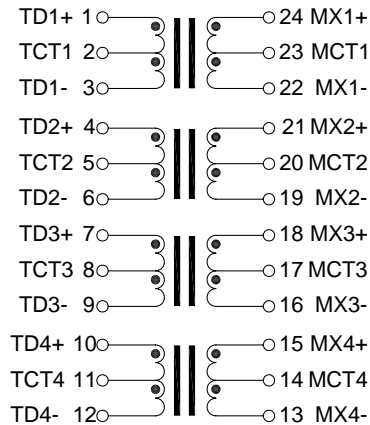
## ELECTRICAL SPECIFICATIONS@25°C:

|                                     |                            |
|-------------------------------------|----------------------------|
| <b>PART NO:</b>                     | <b>KSW-G30FB-5CNL</b>      |
| <b>Turn Ratio(±2%):</b>             | <b>1CT:1CT</b>             |
| <b>Inductance(100KHz/0.1V@8mA):</b> | <b>350uH MIN</b>           |
| <b>Pri LL (100KHz/0.1V):</b>        | <b>0.4uH MAX</b>           |
| <b>Cw/w(100KHz/0.1V):</b>           | <b>20pF TYP</b>            |
| <b>Cross talk(dB TYP):</b>          | <b>- 40dB(0.3-100MHz)</b>  |
| <b>DCR:</b>                         | <b>0.9Ω MAX</b>            |
| <b>HI-POT:</b>                      | <b>1500Vrms/0.5mA/2Sec</b> |
| <b>Operating Temperature:</b>       | <b>0°C TO +70°C</b>        |

**Note :** All models meet Isolation Voltage (HiPot) of 1500Vrms

## SCHEMATICS

### KSW-G30FB-5CNL



### MECHANICAL SPECIFICATIONS

