Features
- IEC 60335, IEC 60601-1 and IEC 60950-1 compliant
- Supplemental insulation
- 250 Vrms working voltage
- 4000 Vrms isolation voltage
- Expanded temperature range: -40 to +85 °C
- Operating altitude up to 4 km
- RoHS compliant*

Applications
- Industrial Ethernet controls
- Ethernet home appliances
- Medical equipment**

Electrical Specifications @ 25 °C
Inductance
(100 kHz, 0.1 V, 8 mADC)
.............................................. 350 µH min.
Leakage Inductance
(TD & RD - TX & RX shorted,
@ 100 kHz, 0.1 V)............. 0.5 µH max.
DOR (TD & RD)............ 1200 mΩ max.
Turns Ratio (±3 %)
TD : TX.......................... 1CT:1CT
RD : RX.......................... 1CT:1CT
Insertion Loss
(TD to TX & RD to RX, 1-100 MHz)
.............................................. -2.0 dB max.
Return Loss
(TD & TX & RD to RX w/ 100 Ω Load)
1-30 MHz.......................... -12 dB min.
30-45 MHz.......................... -10 dB min.
45-60 MHz.......................... -8 dB min.
60-80 MHz.......................... -6 dB min.
Cross Talk (Between Each Channel)
1-100 MHz.......................... -40 dB min.
CMR
(TD to TX & RD to RX)
30 MHz.......................... -40 dB min.
60 MHz.......................... -35 dB min.
100 MHz.......................... -30 dB min.
DCMR (TD to TX & RD to RX)
500k - 100 MHz.............. -33 dB min.
Hi-Pot (Pri. to Sec.)
.............................................. 4800 VAC, 1 mA
or 4000 VAC, 1 mA, 60 sec.
Operating Temperature Range
.............................................. -40 °C to +85 °C
Storage Temperature Range
.............................................. -40 °C to +125 °C
Moisture Sensitivity Level.............. 1
ESD Classification (HBM)............. N/A

Packaging Specifications
Tape & Reel.............................. 160 pcs./reel

How To Order
SM13100 E L

annex and RoHS Recast 2011/65/EU June 8, 2011.
**Excluding life-saving, life-critical or life-sustaining applications.
Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.
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Packaging Specifications

dimensions: mm

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