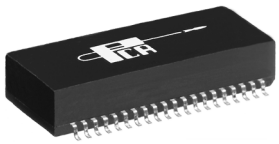
10/100Base-TX Quad Module

EPF8183SP



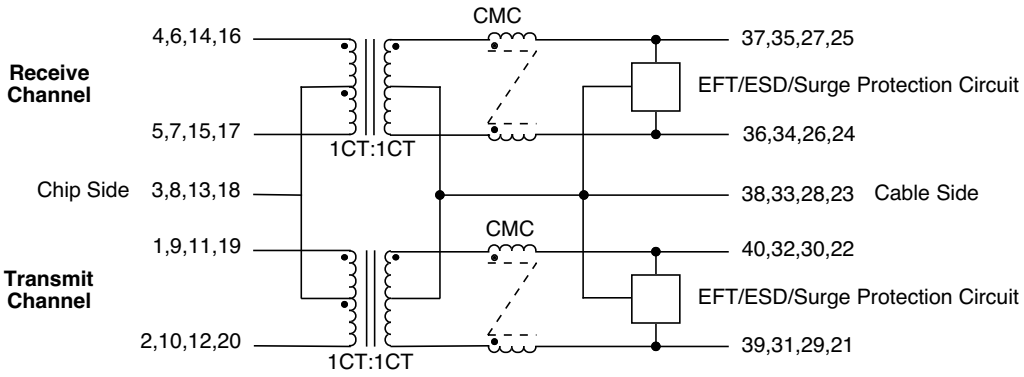
- Significantly Improved Common Mode Attenuation
- Guaranteed to operate with 8 mA DC Bias at 70°C
- Cable Side Surge, EFT and ESD Protection Included
- Complies with or exceeds IEEE 802.3, 10/100Base-TX Standards

Electrical Parameters @ 25° C

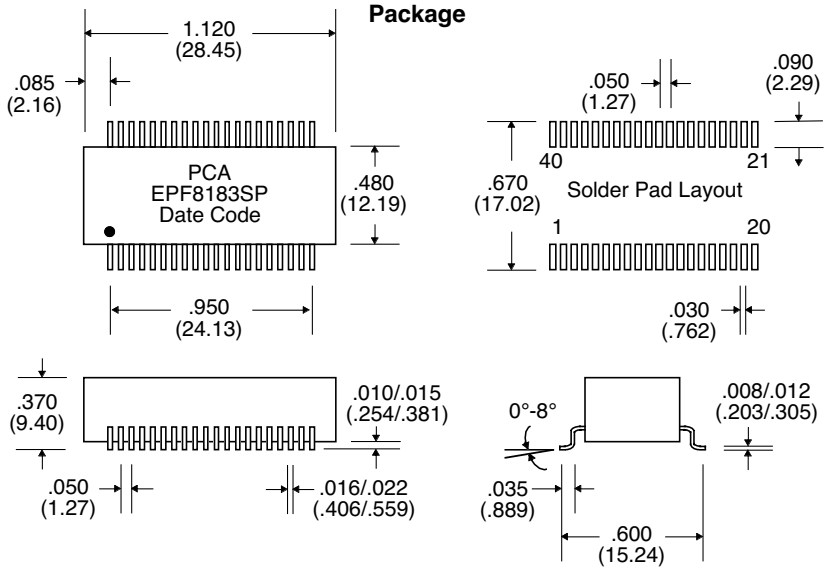
OCL (μH Min.)	**Insertion Loss** (dB Max.)		**Return Loss** (dB Min.)			**Common Mode Rejection** (dB Min.)				**Crosstalk** (dB Min.)
100 KHz, 0.1 Vrms 8 mA DC Bias	1-80 MHz	150 MHz	30 MHz	30-60 MHz	60-80 MHz	30 MHz	100 MHz	200 MHz	300-500 MHz	1-100 MHz
Cable Side	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	
350	-1/-1	-3/-3	-18/-18	18-20 lof f/30	-14/-14	-35/-35	-25/-25	-25/-25	-10/-10	-38

• **Isolation** : 1500 Vrms • **Cable Side Impedance** : 100 Ω • **Common to Differential Rejection** : -40 dB Min. (Xmit/Rcv) @ 1-100 MHz •

Schematic



Package



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 /.25

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Product performance is limited to specified parameters. Data is subject to change without prior notice.

CSF8183SP Rev. 1 6/2/03 JDG

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