



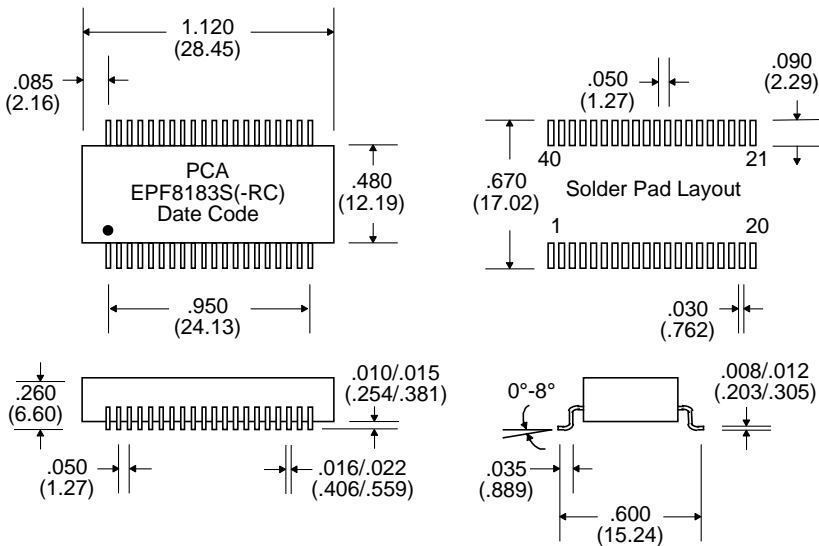
- Significantly Improved Common Mode Attenuation
- Guaranteed to operate with 8 mA DC Bias at 70°C
- Complies with or exceeds IEEE 802.3, 10/100Base-TX Standards
- Add "-RC" after part number for RoHS Compliant

### Electrical Parameters @ 25° C

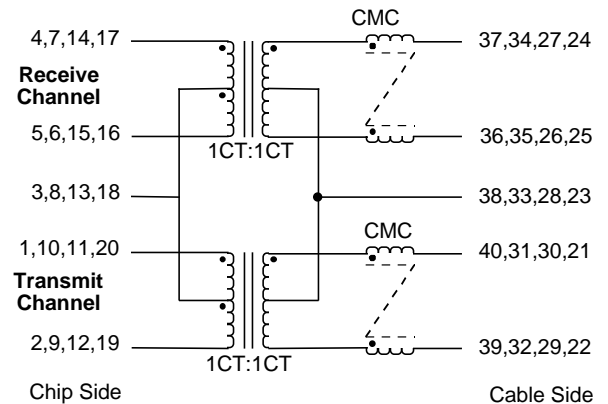
OCL @ 70°C	Insertion Loss (dB Max.)		Return Loss (dB Min.)			Common Mode Rejection (dB Min.)				Common to Diff. Reject. (dB Min.)	Crosstalk (dB Min.)	
	1-100 MHz	150 MHz	30 MHz	30-60 MHz	60-80 MHz	30 MHz	100 MHz	200 MHz	300-500 MHz			
100 KHz, 0.1 Vrms 8 mA DC Bias												
<b>Cable Side</b>	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	Xmit/Rcv	
350 μH	-1/-1	-3/-3	-18/-18	-16/-16	-14/-14	-35/-35	-25/-25	-25/-25	-10/-10	-40/-40		-38

• Isolation : 1500 Vrms • Impedance : 100 • Rise Time : 3.0 nS Max. •

### Package



### Schematic



Notes :	EPF8183S	EPF8183S-RC
1. Assembly Process (Solder Composition)	(Leadframe) SnPb	Sn
	(Assembly Solder) SnPb	SnPb (RoHS exemption 7a)
2. Peak Solder Rating (per IPC/JEDEC-J-STD-020C)	225°C	260°C
3. Moisture Sensitive Levels (MSL) (per IPC/JEDEC-J-STD-020C)	3 (168 hours, 30°C/60%RH)	4 (96 hours, 30°C/60%RH)
4. Weight	5.35 grams	5.35 grams
5. Packaging Information (*Add "TR" to end of part number when placing order)	(Tube) 20 pieces/tube	20 pieces/tube
	(Tape & Reel) 350 pieces/13" reel (*EPF8183S-TR)	350 pieces/13" reel (*EPF8183S-RCTR)

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