

# 10/100 LAN Interface Module for PC Card Applications

## EPF8069S

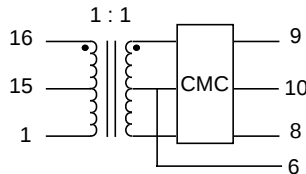
- Recommended for use with SSI78Q2120 •
- Low profile (PCMCIA ),16 pin SOIC •
- Guaranteed to operate with 8 mA DC bias at 70°C •
- Complies with or exceeds IEEE 802.3, 10 BT/100 BX Standards •

### Electrical Parameters @ 25° C

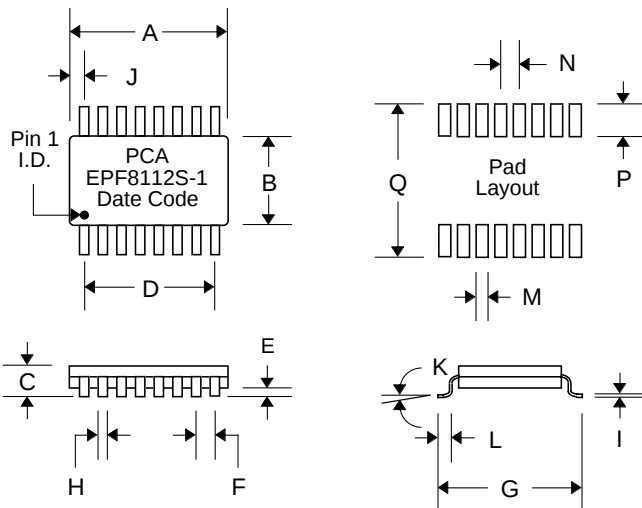
| OCL<br>@ 70°C                     | Insertion Loss<br>(dB Max.) |               |                | Return Loss<br>(dB Min.) |              |               | Common Mode Rejection<br>(dB Min.) |                |
|-----------------------------------|-----------------------------|---------------|----------------|--------------------------|--------------|---------------|------------------------------------|----------------|
| 100 KHz, 0.1 Vrms<br>8 mA DC Bias | 1-80<br>MHz                 | 80-100<br>MHz | 100-150<br>MHz | 1-30<br>MHz              | 30-60<br>MHz | 60-100<br>MHz | 1-100<br>MHz                       | 100-200<br>MHz |
| <b>Cable Side</b>                 |                             |               |                |                          |              |               |                                    |                |
| 350μH                             | -1                          | -1            | -2             | -18                      | -12          | -10           | -30                                | -10            |

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

### Schematic



### Package



### Dimensions

| Dim. | (Inches) |      |      | (Millimeters) |       |       |
|------|----------|------|------|---------------|-------|-------|
|      | Min.     | Max. | Nom. | Min.          | Max.  | Nom.  |
| A    | .480     | .500 |      | 12.19         | 12.70 |       |
| B    | .260     | .280 |      | 6.60          | 7.11  |       |
| C    | .074     | .084 |      | 1.88          | 2.13  |       |
| D    | .350     | Typ. |      | 8.89          | Typ.  |       |
| E    | .003     | .020 |      | .076          | .508  |       |
| F    | .050     | Typ. |      | 1.27          | Typ.  |       |
| G    | .355     | .375 |      | 9.02          | 9.53  |       |
| H    | .018     | .022 |      | .457          | .559  |       |
| I    | .008     | .012 |      | .203          | .305  |       |
| J    | .070     | Typ. |      | 1.78          | Typ.  |       |
| K    | 0°       | 4°   |      | 0°            | 4°    |       |
| L    | .025     | .035 |      | .635          | .889  |       |
| M    |          |      | .030 |               |       | .762  |
| N    |          |      | .050 |               |       | 1.27  |
| P    |          |      | .085 |               |       | 2.16  |
| Q    |          |      | .400 |               |       | 10.16 |