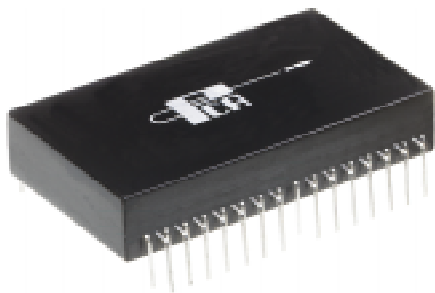


10 Base-T Multiport Module with Enhanced Common Mode Attenuation

EPE6117



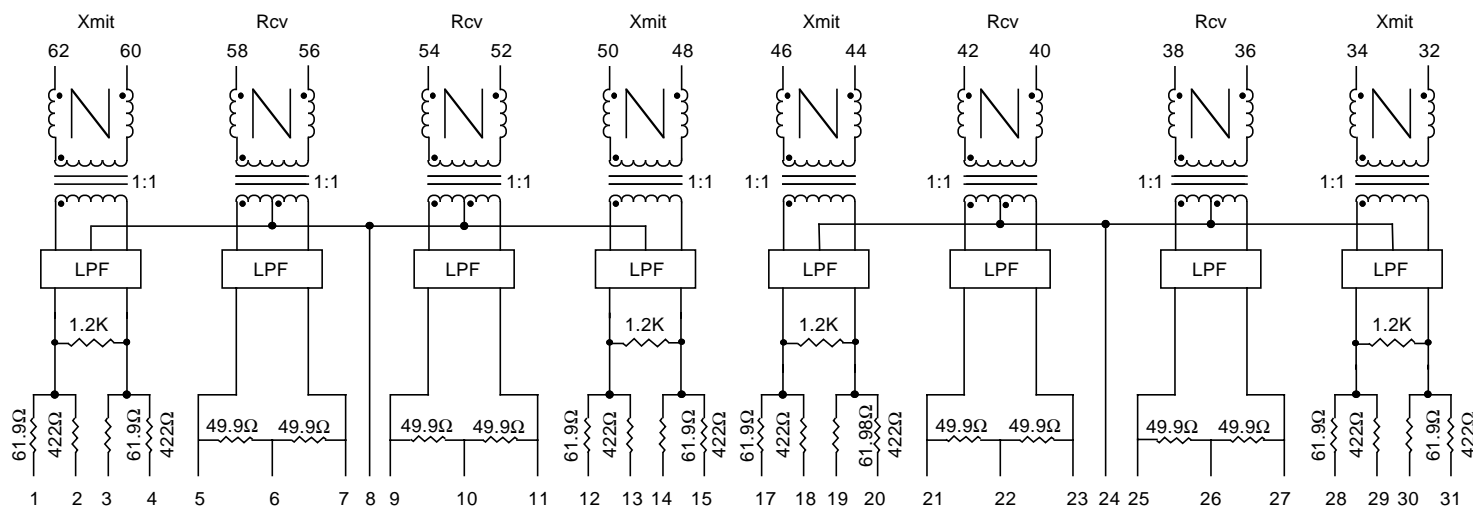
- Optimized for AMD Repeater Chips •
- Robust construction allows for severe solder processes •
- Low Crosstalk enhances network reliability •
- Complies with or exceeds IEEE 802.3, 10 Base-T Requirements •

Electrical Parameters @ 25° C

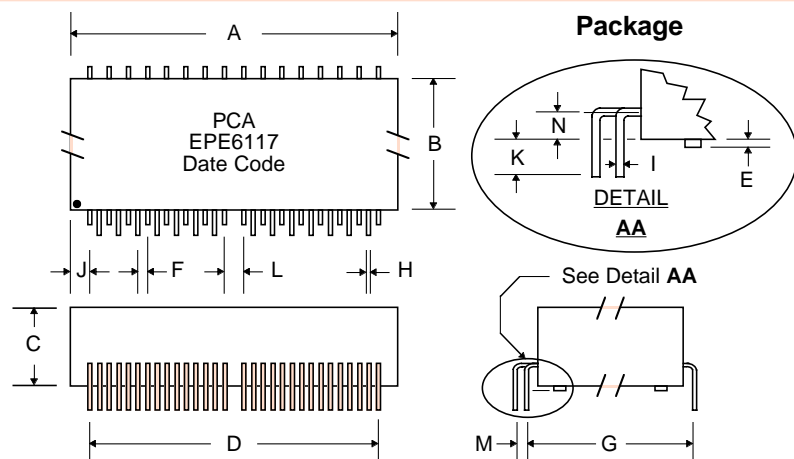
| Cut-off Frequency (MHz) | | Insertion Loss (dB Max.) | | Return Loss (dB Min.) | | Attenuation (dB Min.) | | | | | | | | Common Mode Rejection (dB Min.) | | | | | | Crosstalk (dB Min.) | |
|-------------------------|-----|--------------------------|-----|-----------------------|-----|-----------------------|-----|----------|-----|----------|-----|----------|-----|---------------------------------|-----|-----------|-----|-----------|-------|---------------------|-----|
| | | 1-10 MHz | | 5-10 MHz | | @ 20 MHz | | @ 25 MHz | | @ 30 MHz | | @ 40 MHz | | @ 50 MHz | | @ 100 MHz | | @ 200 MHz | | @ 1-10 MHz | |
| Xmit | Rcv | Xmit | Rcv | Xmit | Rcv | Xmit | Rcv | Xmit | Rcv | Xmit | Rcv | Xmit | Rcv | Xmit | Rcv | Xmit | Rcv | Xmit | Rcv | Xmit | Rcv |
| 17 | 17 | -1 | -1 | -15 | -15 | -7 | -5 | -18 | -11 | -30 | -18 | -35 | -26 | -30 | -30 | -30 | -30 | ----- | ----- | -35 | -35 |

- **Isolation** : meets or exceeds 802.3 IEEE Requirements •
- **Characteristic Filter Impedance** : 100 Ω •

Schematic



Package



Dimensions

| Dim. | (Inches) | | (Millimeters) | |
|------|----------|-------|---------------|-------|
| | Min. | Max. | Min. | Max. |
| A | 1.680 | 1.700 | 42.67 | 43.18 |
| B | 1.015 | 1.025 | 25.78 | 26.04 |
| C | .380 | .400 | 9.65 | 10.16 |
| D | 1.49 | 1.51 | 37.85 | 38.35 |
| E | .010 | .Typ. | .254 | Typ. |
| F | .050 | Typ. | 1.27 | Typ. |
| G | 1.090 | 1.110 | 27.69 | 28.19 |
| H | .016 | .020 | .406 | .508 |
| I | .008 | .012 | .203 | .305 |
| J | .095 | Typ. | 2.41 | Typ. |
| K | .125 | .150 | 3.18 | 3.81 |
| L | 100 | Typ. | 2.54 | Typ. |
| M | .075 | Typ. | 1.905 | Typ. |
| N | .100 | .120 | 2.54 | 3.05 |

