

Low Pass Filter for Cable Modem Applications

EPE6353G

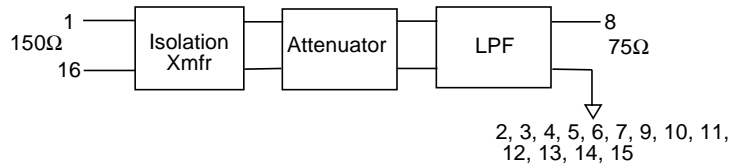


- Optimized for Broadcom BCM3300
 - Built in Attenuator
- Integrated LPF designed to work with Broadcom BCM3033, 3137 and 3210
- Robust construction allows for IR/VP processes
 - Isolation and Impedance matching to meet Cable Modem Standards
- Available in SMD, DIP and DIL Packages

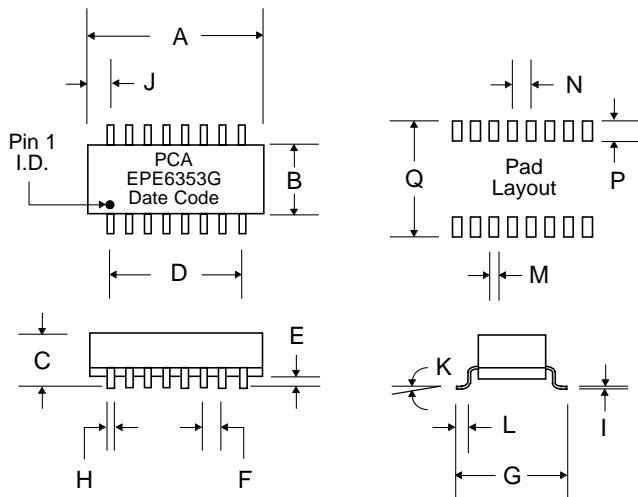
Electrical Parameters @ 25° C

| Cut-off Frequency (MHz) | Insertion Loss (dB Max.) | Return Loss (dB Min.) | Attenuation (dB Min.) | | | | |
|-------------------------|--------------------------|-----------------------|-----------------------|----------|-----------|-----------|---------------|
| | | | @ 70 MHz | @ 80 MHz | @ 100 MHz | @ 200 MHz | @ 200-300 MHz |
| ± 3.0 MHz | 5-42 MHz | 5-42 MHz | | | | | |
| 55 | -1 | -15 | -10 | -25 | -40 | -45 | -45 |

Schematic



Package



Dimensions

| Dim. | (Inches) | | | (Millimeters) | | |
|------|----------|------|------|---------------|-------|-------|
| | Min. | Max. | Nom. | Min. | Max. | Nom. |
| A | .840 | .860 | .850 | 21.34 | 21.84 | 21.59 |
| B | .270 | .280 | .275 | 6.86 | 7.11 | 6.99 |
| C | .180 | .200 | .190 | 4.57 | 5.08 | 4.83 |
| D | --- | --- | .700 | --- | --- | 17.78 |
| E | .010 | .020 | .015 | .254 | .508 | .381 |
| F | --- | --- | .100 | --- | --- | 2.54 |
| G | .380 | .400 | .390 | 9.65 | 10.16 | 9.91 |
| H | .016 | .022 | .018 | .406 | .559 | .457 |
| I | .008 | .012 | .010 | .203 | .304 | .254 |
| J | --- | --- | .045 | --- | --- | 1.143 |
| K | 0° | 8° | 4° | 0° | 8° | 4° |
| L | .025 | .045 | .035 | .635 | 1.143 | .889 |
| M | --- | --- | .030 | --- | --- | .762 |
| N | --- | --- | .100 | --- | --- | 2.54 |
| P | --- | --- | .092 | --- | --- | 2.34 |
| Q | --- | --- | .410 | --- | --- | 10.41 |