

## Dual Line vs. Single Line EMI Filter

Compact design using one dual line filter versus two single line filters reduces space and weight by 50%.

### Differentiators

- Physical size (~50% footprint reduction on paired lines)
- Weight (~50% reduction on paired lines)
- Insertion loss: improved mid band common performance plus differential mode
- Reliability: approximately 2X better MTBF (one dual line versus two single lines)

### Comparison



Dual Line



Single Line

