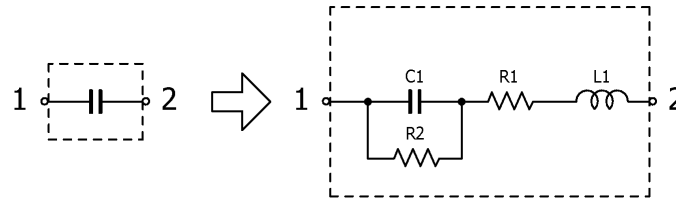


## Multilayer Ceramic Chip Capacitors

Aug. 18, 2020  
Simple Model

Automotive Grade, Soft Termination / CGA5 series

### Circuit Diagram



### Circuit Parameters

| Part No.             | C1[pF]     | L1[nH] | R1[ohm] | R2[Gohm] |
|----------------------|------------|--------|---------|----------|
| CGA5H4X7R2J103K115AE | 10,000     | 0.750  | 0.1061  | 10.0     |
| CGA5H4X7R2J103M115AE | 10,000     | 0.750  | 0.1061  | 10.0     |
| CGA5K4X7R2J223K130AE | 22,000     | 0.750  | 0.0604  | 10.0     |
| CGA5K4X7R2J223M130AE | 22,000     | 0.750  | 0.0604  | 10.0     |
| CGA5L1X7T2J473K160AE | 47,000     | 0.750  | 0.0304  | 10.0     |
| CGA5L1X7T2J473M160AE | 47,000     | 0.750  | 0.0304  | 10.0     |
| CGA5L3X7R2E104K160AE | 100,000    | 0.750  | 0.0266  | 5.00     |
| CGA5L3X7R2E104M160AE | 100,000    | 0.750  | 0.0266  | 5.00     |
| CGA5L4X7T2W104K160AE | 100,000    | 0.750  | 0.0175  | 5.00     |
| CGA5L4X7T2W104M160AE | 100,000    | 0.750  | 0.0175  | 5.00     |
| CGA5L3X7T2E224K160AE | 220,000    | 0.750  | 0.0159  | 2.27     |
| CGA5L3X7T2E224M160AE | 220,000    | 0.750  | 0.0159  | 2.27     |
| CGA5L2X7R2A474K160AE | 470,000    | 0.750  | 0.0148  | 1.06     |
| CGA5L2X7R2A474M160AE | 470,000    | 0.750  | 0.0148  | 1.06     |
| CGA5L2X7R2A105K160AE | 1,000,000  | 0.750  | 0.0108  | 0.500    |
| CGA5L2X7R2A105M160AE | 1,000,000  | 0.750  | 0.0108  | 0.500    |
| CGA5L3X7R1H105K160AE | 1,000,000  | 0.750  | 0.0110  | 0.500    |
| CGA5L3X7R1H105M160AE | 1,000,000  | 0.750  | 0.0110  | 0.500    |
| CGA5L3X7R1H225K160AE | 2,200,000  | 0.750  | 0.0055  | 0.227    |
| CGA5L3X7R1H225M160AE | 2,200,000  | 0.750  | 0.0055  | 0.227    |
| CGA5L3X7S2A225K160AE | 2,200,000  | 0.750  | 0.0175  | 0.227    |
| CGA5L3X7S2A225M160AE | 2,200,000  | 0.750  | 0.0175  | 0.227    |
| CGA5L3X7R1H475K160AE | 4,700,000  | 0.750  | 0.0060  | 0.106    |
| CGA5L3X7R1H475M160AE | 4,700,000  | 0.750  | 0.0060  | 0.106    |
| CGA5L1X7R1V475K160AE | 4,700,000  | 0.750  | 0.0037  | 0.106    |
| CGA5L1X7R1V475M160AE | 4,700,000  | 0.750  | 0.0037  | 0.106    |
| CGA5L1X7R1V106K160AE | 10,000,000 | 0.750  | 0.0040  | 0.0500   |
| CGA5L1X7R1V106M160AE | 10,000,000 | 0.750  | 0.0040  | 0.0500   |
| CGA5L1X7R1E106K160AE | 10,000,000 | 0.750  | 0.0037  | 0.0500   |
| CGA5L1X7R1E106M160AE | 10,000,000 | 0.750  | 0.0037  | 0.0500   |