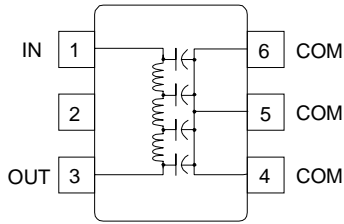


SH6G Series Mini 6-Pin SMD Passive Delay Modules

SH6G Schematic

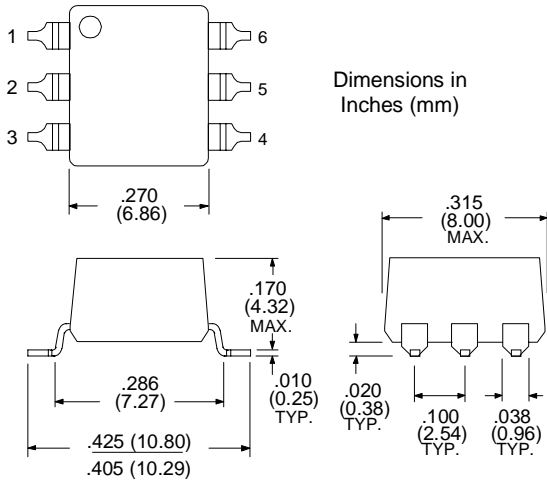


- Low Distortion LC Network
- Stable Delay vs. Temperature: 100 ppm/°C
- Operating Temperature Range -55°C to +125°C
- Standard Impedances: 50, 75, 100 Ω
For other impedances (up to 500Ω) visit web page or contact factory
- DIP version available: SH6D Series

Electrical Specifications at 25°C ^{1,2,3,4}

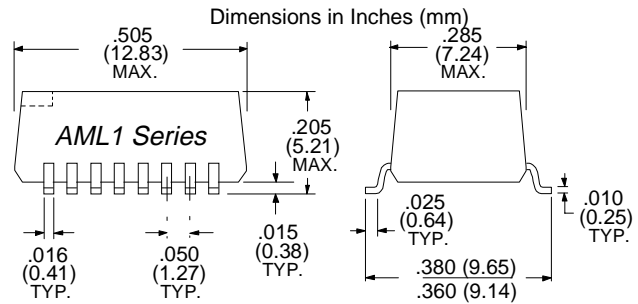
| Delay (ns) | Rise Time 10%-90% max. (ns) | DCR max. (Ohms) | 50 Ohm Part Number | 75 Ohm Part Number | 100 Ohm Part Number |
|------------|-----------------------------|-----------------|--------------------|--------------------|---------------------|
| 1.0 ± .20 | 0.70 | 0.35 | SH6G-0105 | SH6G-0107 | SH6G-0101 |
| 1.5 ± .20 | 0.80 | 0.35 | SH6G-0155 | SH6G-0157 | SH6G-0151 |
| 2.0 ± .20 | 0.90 | 0.35 | SH6G-0205 | SH6G-0207 | SH6G-0201 |
| 2.5 ± .25 | 1.00 | 0.40 | SH6G-0255 | SH6G-0257 | SH6G-0251 |
| 3.0 ± .30 | 1.20 | 0.40 | SH6G-0305 | SH6G-0307 | SH6G-0301 |
| 4.0 ± .40 | 1.50 | 0.45 | SH6G-0405 | SH6G-0407 | SH6G-0401 |
| 5.0 ± .40 | 1.80 | 0.50 | SH6G-0505 | SH6G-0507 | SH6G-0501 |
| 6.0 ± .40 | 2.20 | 0.55 | SH6G-0605 | SH6G-0607 | SH6G-0601 |
| 7.0 ± .40 | 2.40 | 0.55 | SH6G-0705 | SH6G-0707 | SH6G-0701 |
| 7.5 ± .40 | 2.50 | 0.60 | SH6G-0755 | SH6G-0757 | SH6G-0751 |
| 8.0 ± .40 | 2.60 | 0.75 | SH6G-0805 | SH6G-0807 | SH6G-0801 |
| 9.0 ± .50 | 2.80 | 0.75 | SH6G-0905 | SH6G-0907 | SH6G-0901 |
| 10.0 ± .60 | 3.00 | 0.80 | SH6G-1005 | SH6G-1007 | SH6G-1001 |
| 12.0 ± .60 | 3.30 | 0.85 | SH6G-1105 | SH6G-1107 | SH6G-1101 |

1. Rise Times are measured 20% to 80% points.
2. Delay Times measured at 50% points of leading edge.
3. Impedance, Z_o, tolerance ± 10 %
4. Output terminated to ground through R_L = Z_o

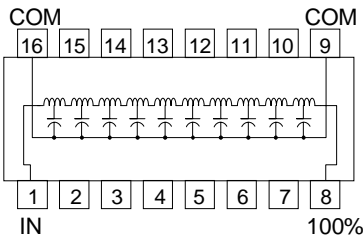


AML1 Series Mini 16-Pin 50-mil SMD Passive Delay Modules

- Low Distortion LC Network
- Stable Delay vs. Temperature: 100 ppm/°C
- Operating Temp. Range -55°C to +125°C
- Standard Impedances: 50, 75, 100 Ω
For other impedances (up to 500Ω) visit web page or contact factory



AML1 Schematic



Electrical Specifications at 25°C ^{1,2,3,4} (refer to Notes 1-4 above)

| Delay (ns) | Rise Time 20% - 80% max. (ns) | DCR max. (Ohms) | 50 Ohm Part Number | 75 Ohm Part Number | 100 Ohm Part Number | 200 Ohm Part Number |
|------------|-------------------------------|-----------------|--------------------|--------------------|---------------------|---------------------|
| 1.0 ± .20 | 1.6 | .20 | AML1-1-50 | AML1-1-75 | AML1-1-10 | AML1-1-20 |
| 1.5 ± .20 | 1.6 | .30 | AML1-1P5-50 | AML1-1P5-75 | AML1-1P5-10 | AML1-1P5-20 |
| 2.0 ± .20 | 1.6 | .40 | AML1-2-50 | AML1-2-75 | AML1-2-10 | AML1-2-20 |
| 2.5 ± .20 | 1.6 | .50 | AML1-2P5-50 | AML1-2P5-75 | AML1-2P5-10 | AML1-2P5-20 |
| 3.0 ± .20 | 1.7 | .60 | AML1-3-50 | AML1-3-75 | AML1-3-10 | AML1-3-20 |
| 4.0 ± .20 | 1.7 | .70 | AML1-4-50 | AML1-4-75 | AML1-4-10 | AML1-4-20 |
| 5.0 ± .25 | 1.8 | .80 | AML1-5-50 | AML1-5-75 | AML1-5-10 | AML1-5-20 |
| 6.0 ± .30 | 2.0 | .85 | AML1-6-50 | AML1-6-75 | AML1-6-10 | AML1-6-20 |
| 7.0 ± .30 | 2.2 | .90 | AML1-7-50 | AML1-7-75 | AML1-7-10 | AML1-7-20 |
| 8.0 ± .30 | 2.4 | .95 | AML1-8-50 | AML1-8-75 | AML1-8-10 | AML1-8-20 |
| 9.0 ± .30 | 2.6 | 1.10 | AML1-9-50 | AML1-9-75 | AML1-9-10 | AML1-9-20 |
| 10 ± .30 | 2.8 | 1.20 | AML1-10-50 | AML1-10-75 | AML1-10-10 | AML1-10-20 |
| 12 ± .50 | 3.2 | 1.50 | AML1-12-50 | AML1-12-75 | AML1-12-10 | AML1-12-20 |
| 15 ± .70 | 3.8 | 1.70 | AML1-15-50 | AML1-15-75 | AML1-15-10 | AML1-15-20 |
| 20 ± 1.0 | 4.8 | 2.00 | AML1-20-50 | AML1-20-75 | AML1-20-10 | AML1-20-20 |

Specifications subject to change without notice.

For other values & Custom Designs, contact factory.

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