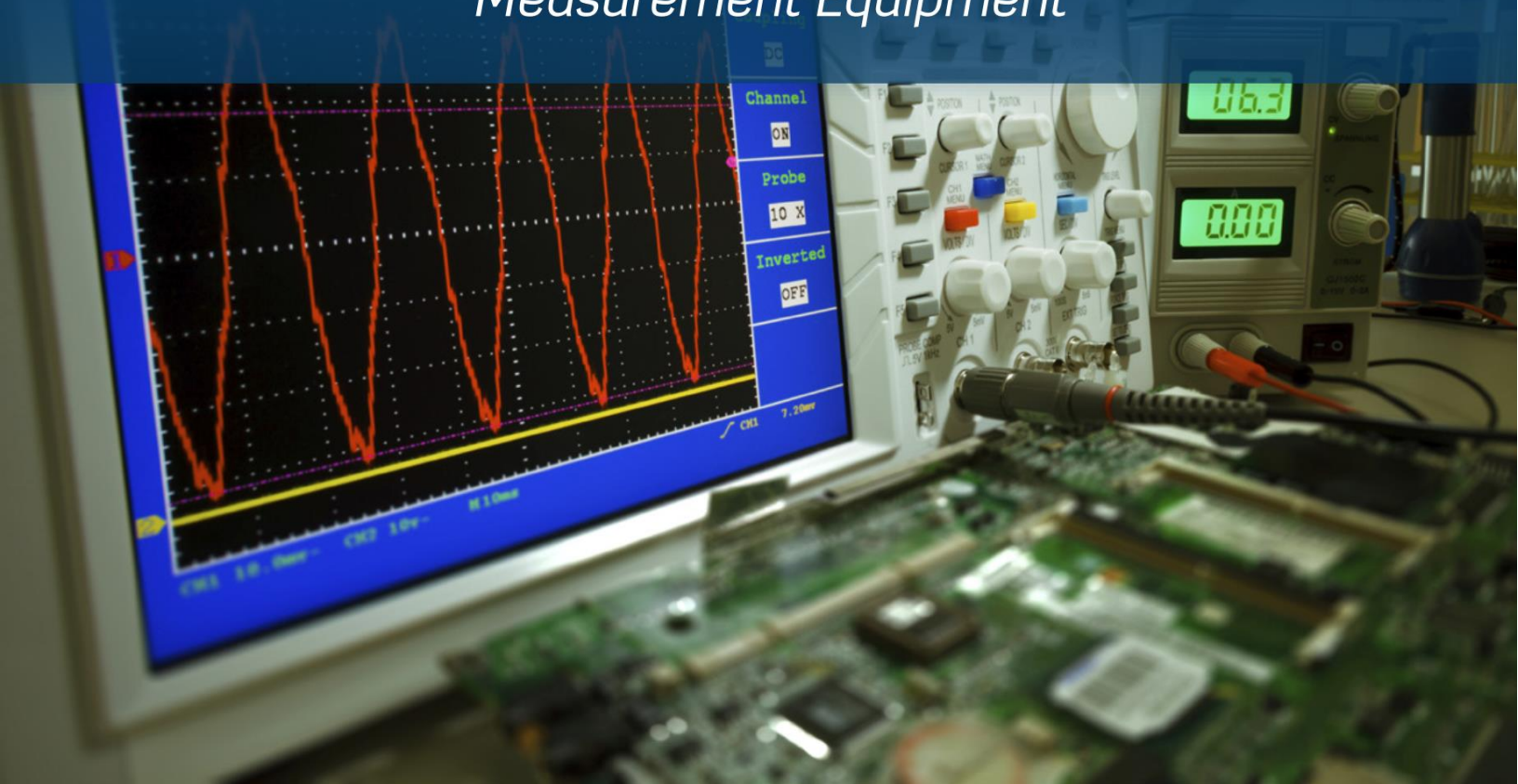




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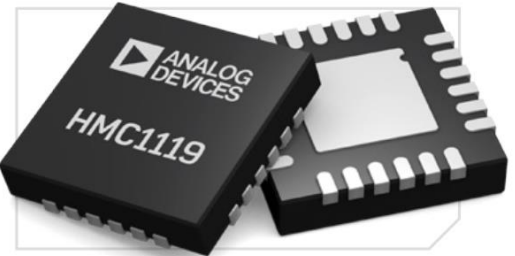
# DIGITAL ATTENUATORS

## Ideal for High Accuracy Test and Measurement Equipment



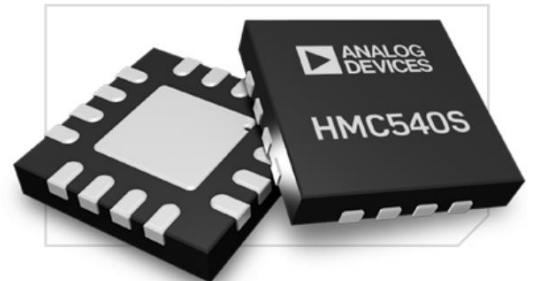
### HMC1119, 0.25 dB LSB, 7-Bit, Silicon Digital Attenuator

- ▶ Low insertion loss: 1.1 dB at 1 GHz, 1.3 dB at 2.0 GHz
- ▶ High linearity and accuracy
- ▶ Fast switching and settling time
- ▶ Single-supply operation: 3.3 V to 5 V
- ▶ Serial and parallel control, safe-state transitions



### HMC540S, 1 dB LSB, 4-Bit, Silicon Digital Attenuator

- ▶ Low insertion loss: 0.7 dB at 2 GHz
- ▶ High linearity and accuracy
- ▶ Single-supply operation, parallel CMOS control
- ▶ Compact 3 mm × 3 mm package
- ▶ ESD robustness: 2 kV



Part Number	Frequency (GHz)	Function (Bits)	Insertion Loss	Attenuation Step / Range (dB)	Feature	Package	Availability
<a href="#">HMC1119</a>	0.1 to 6	7	1.3 dB at 2 GHz	0.25/31	Safe-state	4 × 4	Released
<a href="#">HMC1122</a>	0.1 to 6	6	1.3 dB at 2 GHz	0.5/31	Safe-state	4 × 4	Released
<a href="#">HMC305S</a>	0.4 to 7	5	1.1 dB at 2 GHz	0.5/15.5	Glitch-free	4 × 4	Released
<a href="#">HMC540S</a>	0.1 to 8	4	0.7 dB at 2 GHz	1/15	Parallel control	3 × 3	Released
<a href="#">HMC8073</a>	0.6 to 3	6	1.5 dB at 2 GHz	0.5/31	Compact, serial	3 × 3	Pre-release
<a href="#">ADRF5720</a>	9 KHz to 40	6	3 dB at 30 GHz	0.5 / 31	Safe state	4 × 4	Sampling
<a href="#">ADRF5730</a>	0.1 to 40	6	3 dB at 30 GHz	0.5 / 31	Safe state	4 × 4	Sampling

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