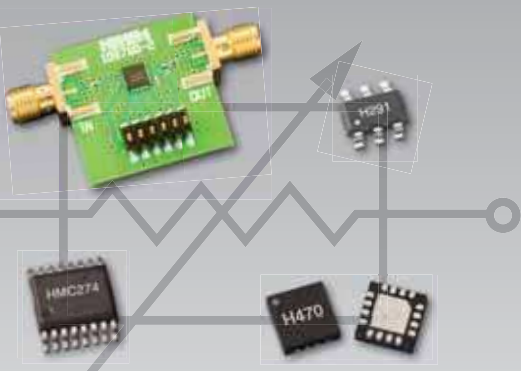


DESIGNER'S KIT

Digital Attenuators, DC - 6 GHz



This Digital Attenuator Designer's Kit HMC-DK004 includes samples of 9 of Hittite's most popular positive control digital attenuator MMICs. The table below summarizes the features of each of the products included in this kit. Also included are 9 evaluation boards (assembled and tested), one for each digital attenuator part number, which enables the designer to test each enclosed sample. The designer is encouraged to refer to the Application Circuit section of the product data sheet before applying power to the evaluation board. Data sheets for each of the enclosed samples are available on the enclosed CD, or on-line at www.hittite.com.

Hittite's complete line of GaAs MMIC Digital Attenuators are offered in industry standard MSOP8, MSOP10, QFN 3 x 3 mm (LP3), QFN 4 x 4 mm (LP4), QSOP16 and SOT26 packages, and are targeted to Cellular/3G, Fixed Wireless, CATV, MMDS, WiMAX, WiBro, Microwave Radio and Test Equipment applications from DC to 13 GHz. These digital attenuators are ideal for use in RF gain control loops, level setting, calibration, and cancellation applications.

HMC-DK004 – DIGITAL ATTENUATORS, DC - 6 GHz

Part Number	Frequency (GHz)	Function	Loss (dB)	Atten. Range (dB)	IIP3 (dBm)	Control Input (Vdc)	Package	Quantity
HMC291E	0.7 - 4.0	2-Bit Digital	0.9	4 to 12	54	0 / +3V	SOT26	5
HMC468LP3E	DC - 6	3-Bit Digital	0.7	1 to 7	50	TTL/CMOS	LP3	5
HMC274QS16E	0.7 - 2.7	5-Bit Digital	2.3	1 to 31	54	0 / +3V	QS16	5
HMC271LP4E	0.7 - 3.7	5-Bit Digital, Serial Control	2.1	1 to 31	48	Serial TTL/CMOS	LP4	5
HMC273MS10GE	0.7 - 3.8	5-Bit Digital	2.1	1 to 31	48	0 / +3V	MS10G	5
HMC305LP4E	0.7 - 3.8	5-Bit Digital, Serial Control	1.5	0.5 to 15.5	52	Serial TTL/CMOS	LP4	5
HMC306MS10E	0.7 - 3.8	5-Bit Digital	1.5	0.5 to 15.5	52	0 / +3V	MS10	5
HMC470LP3E	DC - 3	5-Bit Digital	1.3	1 to 31	45	TTL/CMOS	LP3	5
HMC472LP4E	DC - 3	6-Bit Digital	1.5	0.5 to 31.5	45	TTL/CMOS	LP4	5

Part Number	Description	Quantity
103372 – HMC291	Evaluation Board – Digital Attenuator	1
107302 – HMC468LP3	Evaluation Board – Digital Attenuator	1
104976 – HMC274QS16	Evaluation Board – Digital Attenuator	1
108782 – HMC271LP4	Evaluation Board – Digital Attenuator	1
103393 – HMC273MS10G	Evaluation Board – Digital Attenuator	1
108782 – HMC305MS10	Evaluation Board – Digital Attenuator	1
103393 – HMC306MS10	Evaluation Board – Digital Attenuator	1
107006 – HMC470LP3	Evaluation Board – Digital Attenuator	1
107010 – HMC472LP4	Evaluation Board – Digital Attenuator	1