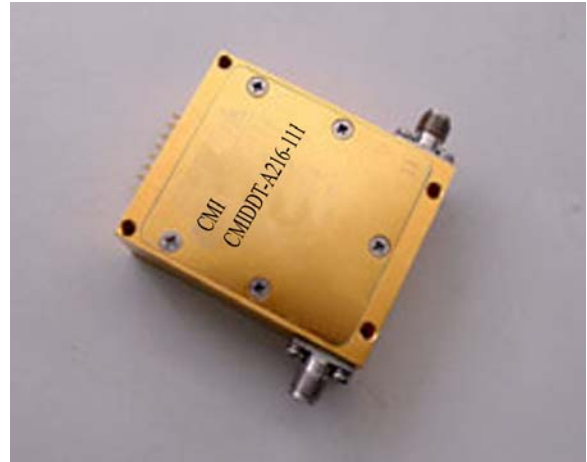


Digitally Programmable Attenuator

CMI's line of switched-bit pin-diode digital attenuators offers precision, reliability, and repeatability for the most demanding applications. The CMIDDT series digital attenuators are available in convenient binary 4-, 5-, and 6-bit configurations with 0.5dB resolution and up to 63dB total attenuation. The attenuators require $\pm 5V$ DC power supply and feature TTL-compatible control logic. Standard screened devices incorporate epoxy sealed lids and undergo a stringent yet cost effective screening cycle. The switches are also available with a high-rel option featuring MIL-STD-883 screening.

Features:

- Automatic Gain Control
- EW Systems
- Communications Systems
- Leveling Circuits
- Precision Test Equipment
- Electronic Simulators



Ordering Information:

- Delivery: Stock to eight weeks
- Additional options: The attenuators can be modified for custom applications. Contact the factory to discuss specific requirements.

CALL OUR SALES DEPARTMENT FOR MORE INFORMATION OR VARIATIONS OF THIS PRODUCT.

Corry Micronics, Inc. One Plastics Rd. - Corry, PA 16407
(814) 664-7728 Fax (814) 664-4582 www.cormic.com

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Absorptive Digitally Programmable Attenuator- switched-bit pin-diode digital attenuators

Part Number	Frequency	Type	Insertion Loss (dB max)	Total Attention (dB)	Flatness (dB)	Accuracy (dB)	Speed (ns)	VSWR (max)
CMIDDT-A216-111	0.1–0.5GHz	6-BIT	4	63	±0.5	±1.0	200	1.5
CMIDDT-B216-111	0.5–1.0GHz	6-BIT	4	63	±0.5	±1.0	200	1.5
CMIDDT-C216-111	1.0–2.0GHz	6-BIT	4	63	±0.5	±1.0	50	1.5
CMIDDT-D216-111	2.0-4.0GHz	6-BIT	5	63	±0.5	±1.0	50	1.5
CMIDDT-E216-111	4.0-8.0GHz	6-BIT	6	63	±0.5	-0.5 ~ 1.5	50	1.5
CMIDDT-F216-111	8.0-12GHz	6-BIT	8	63	±1.0	-0.5 ~ 1.5	50	1.6

Reflective Digitally Programmable Attenuator

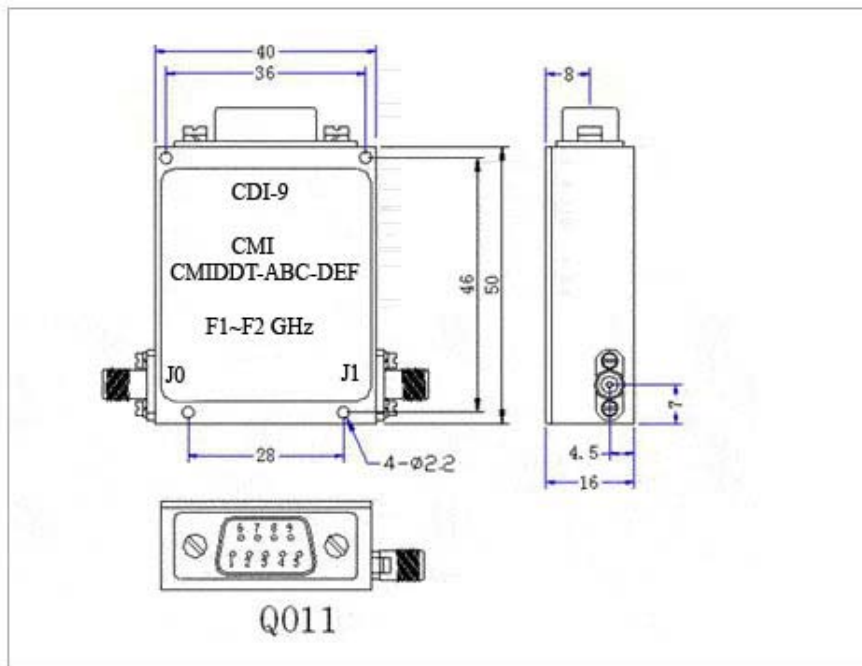
Part Number	Frequency	Bandwidth	Type	Insertion Loss (dB max)	Total Attention (dB)	Flatness (dB)	Accuracy (dB)	Speed (ns)	VSWR (max)
CMIDDT-C116-111	1.0–2.0GHz	20%	6-BIT	1.5	63	±0.5	±1.0	2	1.5
		Full		1.8					
CMIDDT-D116-111	2.0-4.0GHz	20%	6-BIT	1.8	63	±0.5	±1.0	2	1.5
		Full		1.8					
CMIDDT-E116-111	4.0-8.0GHz	20%	6-BIT	2.0	63	±0.5	-0.5 ~ 1.5	2	1.5
		Full		2.2					
CMIDDT-F116-111	8.0-12GHz	20%	6-BIT	2.2	63	±1.0	-0.5 ~ 1.5	2	1.6
		Full		2.5					
CMIDDT-G116-111	12-18GHz	20%	6-BIT	2.5	63	±0.5	±1.0	2	1.5

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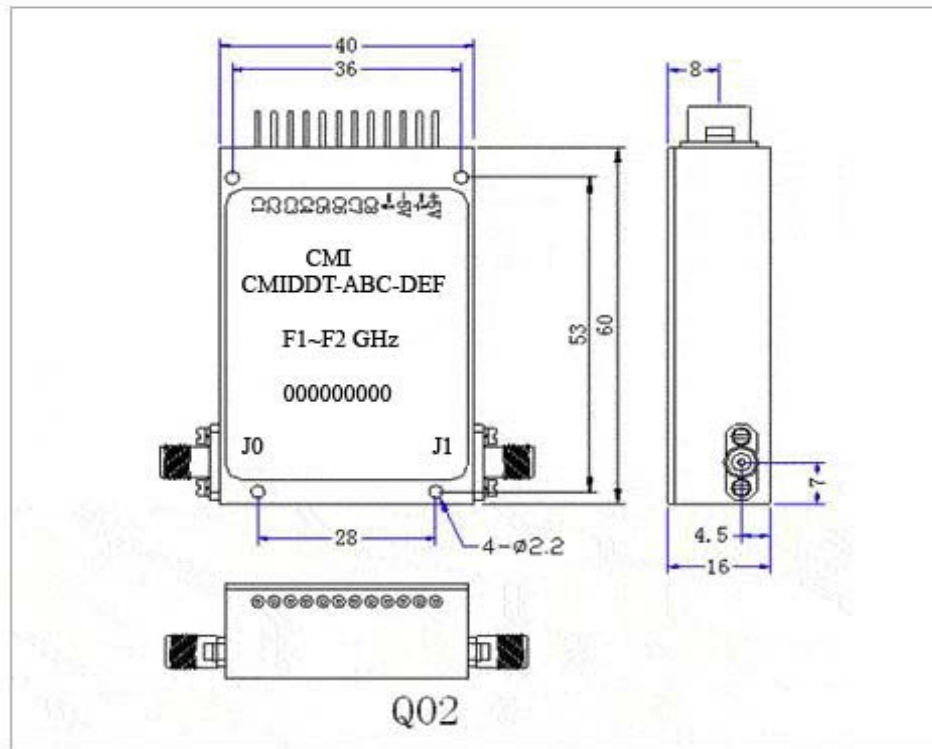
ELECTRICAL NOTES		MECHANICAL SPECIFICATIONS	
Switching Speed: 200 nsec max.		Case Style: Q011,Q02	
Attenuation Accuracy:		Finish: Gold plating per MIL-G-45204	
	± 0.4dB up to 20dB Attenuation	Connectors: SMA female per MIL-C-39012	
	± 2% above 20dB Attenuation	Bias and Control:	
DC Bias: +5.0 ± 0.5V @	160 mA max. (4-bits)	0.020"dia x 0.15" long solder pins	
-5.0 ± 0.5 V @	200 mA max. (5-bits)	Weight:	
	240 mA max. (6-bits)	Mounting: 2.2mm dia through holes (4) pics.	
Control: TTL Logic 0: = Low Loss			
TTL Logic 1: = Attenuation			



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