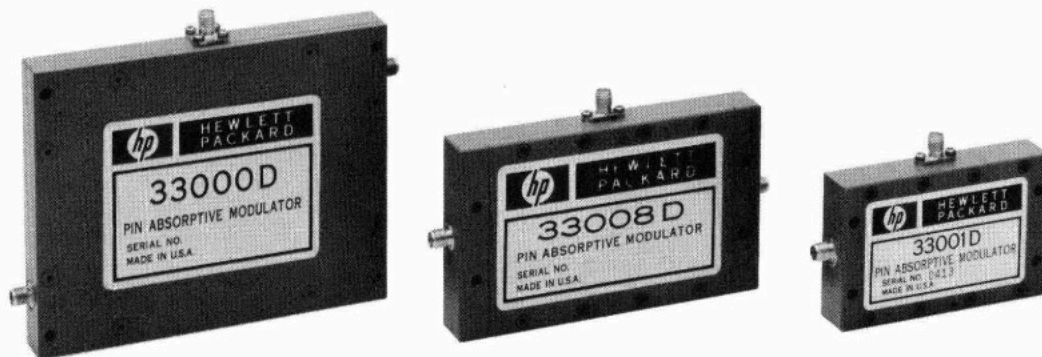


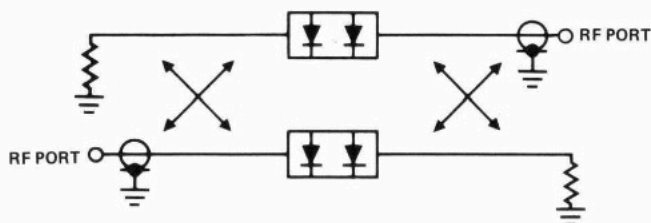
# ABSORPTIVE MODULATORS



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**DESCRIPTION.** The 33000 series Absorptive Modulators combine 33600 coaxial switching modules, quadrature hybrid couplers, and internal loads to form non-reflective control elements. When the unit is biased to attenuate some or all of the input signal, this unwanted power is absorbed in one of the internal loads, rather than reflected to the source.

The modulators are available in six versions, covering three frequency ranges (1-4 GHz, 3.7-8 GHz, and 8-18 GHz) and two attenuation ranges (40 and 80 dB). The 33602A modules are used in the 40 dB version, the 33604A in the 80 dB version; and the characteristics of the modules are reproduced in the modulators.

Video blocking filters and bias networks are integrated into the modulator.

## GUARANTEED

hp	DESCRIPTION	PACKAGE	FREQUENCY RANGE	SWITCHING SPEED	BIAS POLARITY FOR OFF	POWER HANDLING		BIAS mA
						CW	PEAK	
33000C	Medium Isolation, L-S Band	P	1 to 4 GHz	50 ns	Neg	2W	100W	100
33000D	High Isolation, L-S Band	P	1 to 4 GHz	50 ns	Neg	2W	100W	400
33008C	Medium Isolation, C Band	Q	3.7 to 8 GHz	50 ns	Neg	2W	100W	100
33008D	High Isolation, C Band	Q	3.7 to 8 GHz	50 ns	Neg	2W	100W	200
33001C	Medium Isolation, X-P Band	R	8 to 18 GHz	50 ns	Neg	2W	100W	75
33001D	High Isolation, X-P Band	R	8 to 18 GHz	50 ns	Neg	2W	100W	75