

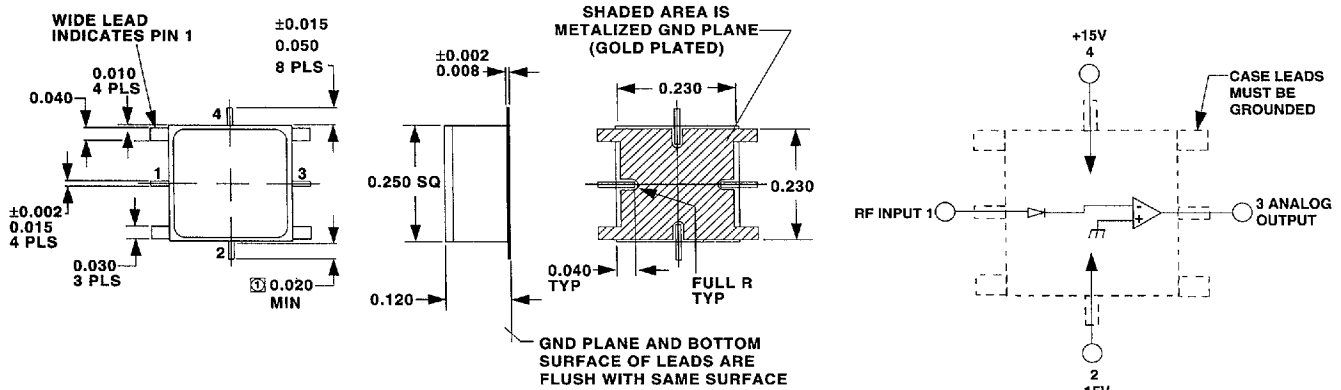
FEATURES

- 20 - 2000 MHz
- 25dB Dynamic Range
- Low Output Resistance
- Low DC Power Consumption
- Pin for Pin Replacement to HP/Avantek PPD-2001 with improved performance



**MODEL NO.
DAD05079**

Analog Detector



TD

GUARANTEED PERFORMANCE

PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
OPERATING FREQUENCY	20		2000	MHz	
DYNAMIC RANGE	-15		+10	dBm	
INPUT VSWR		1.3/1	1.8/1		
ANALOG OUTPUT	0.8	0.9 0.19		V V	P _{in} = 0dBm P _{in} = -10dBm
INPUT FLATNESS		±0.3	±1.0	dB	0 TO -10 dBm
TEMPERATURE STABILITY		±0.4	±1.0	dB	0 TO -10 dBm
TANGENTIAL SENSITIVITY		-38		dBm	
OUTPUT RESISTANCE		1		OHMS	
OUTPUT OFFSET	-5	0	+5	mV	NO INPUT POWER
OUTPUT OFFSET DRIFT		±5		mV	OVER TEMPERATURE
RF TO VIDEO ISOLATION		50		dB	
RISE TIME		2		μSEC	
DC CURRENT		1.4 1.5	2 2	mA mA	+15V -15V
INPUT POWER			+20	dBm	NO DAMAGE
OPERATING TEMPERATURE	-55	+25	+125	°C	TA