

DC-3 GHz VOLTAGE LIMITER — LV3000A

for DC, AC Analog, Digital, RF, Impulse, and Microwave Signals

Max Input +/- 10 VDC or +30 dBm



- Frequency from true DC (0 Hz) to 3 GHz.
- No frequency break up in between DC to 3 GHz.
- No Bias Required.
- Typical threshold level ($\pm 0.7\text{VDC}$ or 0 dBm microwave).
- Low Output leakage level ($\pm 1.5\text{V}$ Typical @ $\pm 10\text{V}$ input, +13 dBm Typical @ +30 dBm input microwave)
- No concern of rise time or recovery time
- Low harmonics generation (-20 dBc typical at rated input power).
- Small size option for coaxial SMA or surface mount drop-in package.
- Hermetically sealed package.



LV3000A Typical Performance @ + 25 Deg. C (Preliminary)

FREQUENCY RANGE	VSWR -10 DBm OR 0.1V	INSERTION LOSS @ -10 dBm or 0.1V	LIMITING THRESHOLD LEVEL	OUTPUT LEAKAGE (50 Ohm Load)
0 Hz DC (+V OR -V)	Same as external load value	0 to 12% Typical	$\pm 0.7\text{V}$ Typical	$\pm 0.8\text{V}$ Typical @ $\pm 5\text{V}$ Input $\pm 1.5\text{V}$ Typical @ +10V Input
0 Hz < to 3 GHz AC Analog or Digital				
0 Hz < to 3 GHz Microwave	2 : 1 Typ @ 3 GHz	1 dB Typ @ 3 GHz	0 dBm Typical	+13 dBm Typical @ +30 dBm Input



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