

**50Ω Broad Band, 30 to 3000 MHz**

Case PN: 6UED2W6S1P2

**Features:**

- \* Frequency Range: 30 MHz to 3000 MHz;
- \* Low Insertion Loss: 0.23 dB typ.
- \* Fast recovery time, 10nsec typ.
- \* Excellent VSWR 1.05:1 typ.
- \* Low output power, 11.5 dBm typ.
- \* Stainless Steel SMA Female Connector
- \* ROHS Compliant

**Applications:**

- \* Stabilize RF outputs
- \* Reduce amplitude variations
- \* Protect LNA and other devices from ESD or input power damage

**General Description:**

LIM30M3G is a RF limiter in a small 1-1/8"x15/16"x0.59" shielded RF enclosure (PN: 6UED2W6S1P2). The limiter protects against ESD and input power surges over a frequency range 30 to 3000 MHz. The limiter provides protection for LNA in hostile environment.



**Electrical Specifications:**

Item	Parameter	Condition	Electrical Specification			
			MIN	TYP	MAX	UNITS
1	Operational Frequency Range		30		3000	MHz
2	Maximum Input Power		--	--	5	dB
3	Insertion Loss		--	0.23	0.7	dB
4	VSWR		--	1.05	1.5	dB
5	Limiting Range (Input Power)		+12	--	+30	dB
6	Limiting Range (Output Power)		--	+11.5	--	dBm
7	Δ Output/Δ 1dB Input	Input Power 12-30dBm	--	0.2	--	dBm
8	Recovery Time		--	10	--	nsec
9	Response Time		--	2	--	nsec

**Absolute Maximum Ratings**

Item	Parameter	Rating	UNITS
1	Max Input Power	1	Watt
2	Operating Temperature	-40 to +85	°C
3	Max Storage Temperature	-55 to +100	°C

Enclosure Outline

