



## FEATURES:

- 0.5– 3.5 GHz;
- 0.20 dB Insertion Loss;
- 1.22:1 VSWR;
- 90 nS Rising Time;
- 70 nS Falling Time;
- 2W Power Handling;
- RoHS Compliant

## APPLICATIONS:

- Pulse Generator;
- Test & Measurement;
- Wide Band PA Pulse Converter



# LPM0535A – 0.5 ~ 3.5 GHz WIDE BAND Pulse Modulator

## ELECTRICAL SPECIFICATIONS @ 25 °C

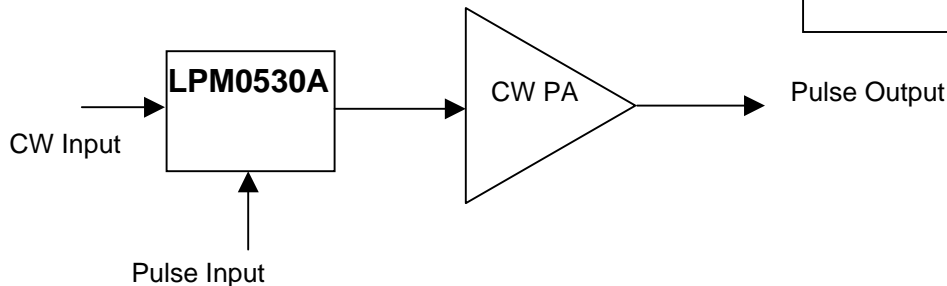
Symbol	Parameters/Conditions	Unit	Min	Typical	Max
$T_r$	Rising Time	nS		90	120
$T_f$	Falling Time	nS		70	100
IL	Insertion Loss	dB		0.20	0.50
$Z_0$	Impedance	Ohm		50	
VSWR	Input & Output VSWR	Ratio		1.22	1.30
$P_{max}$	CW RF Power Handling	W		1.0	2.0
$T_o$	Operating Temperature	°C	-40		+85

## ABSOLUTE MAXIMUM RATINGS<sup>1</sup>

Parameters/Conditions	Unit	Maximum
Channel Temperature	°C	+150
Operating Temperature	°C	-40 ~ +85
RF Input Power	dBm	+33
RF Port DC Voltage	V	50
Storage Temperature	°C	+150

[1] Operation beyond these limits may cause permanent damage.

## TYPICAL APPLICATION



*Preliminary*

## ORDERING INFORMATION:

Model	Input	Output
LPM0535A-1	SMA Female	SMA Female
LPM0535A-2	SMA Female	SMA Male
LPM0535A-3	SMA Male	SMA Female
LPM0535A-4	SMA Male	SMA Male

## MECHANICAL OUTLINE:

