



$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Characteristics		Typical	Guaranteed +25°C -54° to +85°C	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	SSB Conversion Loss & SSB Noise Fi	gure (max.)			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $					
Isolation (min.)       L to R $f_L =$ $f_R =$ $f_L =$ $f_R =$ $f_L =$ $f_R =$ $f_R =$ $f_L @$ $f_L =$ $f_L =$ $f_{R2} =$ $f_{R1} =$ $f_{R2} =$	$f_{R} = f_{L} =$	$f_{I} =$			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Isolation (min.)				
$ \begin{array}{c c} f_{L} = & & \\ L \text{ to I} & & \\ f_{L} = & & \\ f_{L} = & & \\ f_{L} = & & \\ R \text{ to I} & & \\ f_{R} = & & \\ f_{L} = & & \\ \hline \\ Input IP3 & & \\ f_{R1} = & & \\ f_{R2} = & & \\ f_{L} = & & \\ f_{R1} = & & \\ f_{R2} = & & \\ \hline \\ \end{array} $	L to R				
$ \begin{array}{c c} f_{L} = & & \\ L \text{ to I} & & \\ f_{L} = & & \\ f_{L} = & & \\ f_{L} = & & \\ R \text{ to I} & & \\ f_{R} = & & \\ f_{L} = & & \\ \hline \\ Input IP3 & & \\ f_{R1} = & & \\ f_{R2} = & & \\ f_{L} = & & \\ f_{R1} = & & \\ f_{R2} = & & \\ \hline \\ \end{array} $	$f_L =$				
$ \begin{array}{c c} f_{L} = & & \\ L \text{ to I} & & \\ f_{L} = & & \\ f_{L} = & & \\ f_{L} = & & \\ R \text{ to I} & & \\ f_{R} = & & \\ f_{L} = & & \\ \hline \\ Input IP3 & & \\ f_{R1} = & & \\ f_{R2} = & & \\ f_{L} = & & \\ f_{R1} = & & \\ f_{R2} = & & \\ \hline \\ \end{array} $	$f_L =$				
$ \begin{array}{c c} f_L = \\ f_L = \\ f_L = \\ f_L = \\ R \text{ to I} \\ f_R = \\ f_L @ \\ \hline \\ Input IP3 \\ f_{R1} = \\ f_{L} = \\ f_L = \\ f_L = \\ f_{R2} = \\ f_{R3} = $	$f_L =$				
$ \begin{array}{c c} f_L = \\ f_L = \\ R \text{ to I} \\ f_R = \\ f_R = \\ f_R = \\ \end{array} \end{array} $ $ \begin{array}{c c} 1 \text{ dB Conversion Compression} \\ f_L @ \\ f_L @ \\ f_L @ \\ \hline \\ Input IP3 \\ f_{R1} = \\ f_L = \\ f_L = \\ f_L = \\ f_L = \\ f_R = \\ \hline \\$	L to I				
$ \begin{array}{c c} f_L = \\ R \text{ to I} \\ f_R = \\ f_R = \\ f_R = \\ \hline f_R = \\ f_L @ \\ \hline f_L @ \\ f_L @ \\ \hline f_L @ \\ f_L @ \\ \hline f_{R1} = \\ f_{R2} = \\ f_L = \\ \hline f_{R1} = \\ f_{R2} = \\ f_{R2} = \\ \hline f_{R3} = $	$f_L =$				
R to I $f_R =$ $f_R =$ $f_R =$ $f_R =$ $f_L @$ 1 dB Conversion Compression $f_L @$ $f_L @$ $f_L @$ $f_L @$ $f_L @$ Input IP3 $f_{R1} =$ $f_{R1} =$ $f_{R2} =$ $f_L =$ $f_{R2} =$ $f_{R1} =$ $f_{R2} =$	$f_L =$				
$ \begin{array}{c c} f_R = & & & & \\ f_R = & & & \\ f_R = & & \\ \hline 1 \text{ dB Conversion Compression} & & & & \\ f_L @ & & & & \\ \hline f_L @ & & & \\ \hline Input IP3 & & \\ f_{R1} = & & f_{R2} = & \\ f_L = & & & \\ \hline f_R = & & f_{R2} = & \\ f_L = & & & \\ \hline f_{R1} = & & f_{R2} = & \\ \hline f_R = & & & \\ \hline f_{R2} = & & & \\ \hline f_{R1} = & & f_{R2} = & \\ \hline f_{R2} = & & & \\ \hline f_{R1} = & & & \\ \hline f_{R2} = & & & \\ \hline f_{R3} = & & & \\ \hline f_{R3} = & \\ \hline f_{R3} = & & \\ \hline f_{R3} = & \\ \hline$	$f_L =$				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	R to I				
1 dB Conversion Compression $f_L @$ $f_L @$ $f_L @$ Input IP3 $f_{R1} =$ $f_{R1} =$ $f_{R2} =$	$f_R =$				
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$f_R =$				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	1 dB Conversion Compression				
Input IP3 $f_{R1} = f_{R2} = f_{R2} = f_{L} = f_{L} = f_{L} = f_{L} = f_{L} = f_{R1} = f_{R2} = f_{R2} = f_{R1} = f_{R2} = f_{R$	$f_L (\omega)$				
	f <sub>L</sub> @				
	Input IP3				
$ \begin{array}{c} f_{R1}= & f_{R2}= \\ f_{L}= & & \\ f_{R1}= & & f_{R2}= \end{array} $		=			
$f_L =$ $f_{R1} =$ $f_{R2} =$	$I_L =$				
$f_L =$ $f_{R1} =$ $f_{R2} =$	f _ f	_			
$f_{R1} = f_{R2} =$	$I_{R1} = I_{R2}$	=			
	и_ —				
	fni – fna	_			
	$f_{\rm R1} = f_{\rm L} =$	_			

## Absolute Maximum Ratings

Operating Temperature Storage Temperature Peak Input Power Peak Input Current

## Outline Drawing(s)

Package	Figure	Model

Specifications subject to change without notice. • North America: 1-800-366-2266 Visit www.macom.com for complete contact and product information.



Typical Performance at 25°C

Specifications subject to change without notice. M/A-COM Field Sales Office: 1-800-366-2266 • website: www.macom.com