

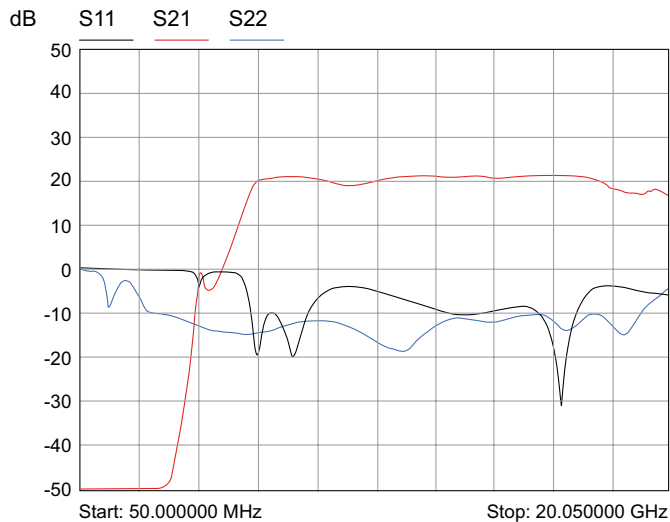
The 14629 is one of a family of solid-state Microwave Modules available from C-MAC MicroTechnology, ideal for Satellite Communications, Product Development, Point to Point, Radiolocation and Test applications.

## Key Features:

- Ku Band (12GHz to 18GHz) operation
- Response extends to 8GHz (X Band)
- P1dB - better than 13dBm at 25°C
- Noise Figure of less than 2.5dB at +25°C
- Better than 20dB midband gain at +25°C
- DC - 3GHz input rejection filter
- Internal power supply regulation
- Power On/Off control
- RoHS compliant
- 3.3V / 5V operation (control)
- Operating temperature range: -25°C to +70°C



14629-000



Typical small-signal response

The 14629 is available with Male or Female SMA connectors in any combination. Other connector types are available on request.

## Order Code:

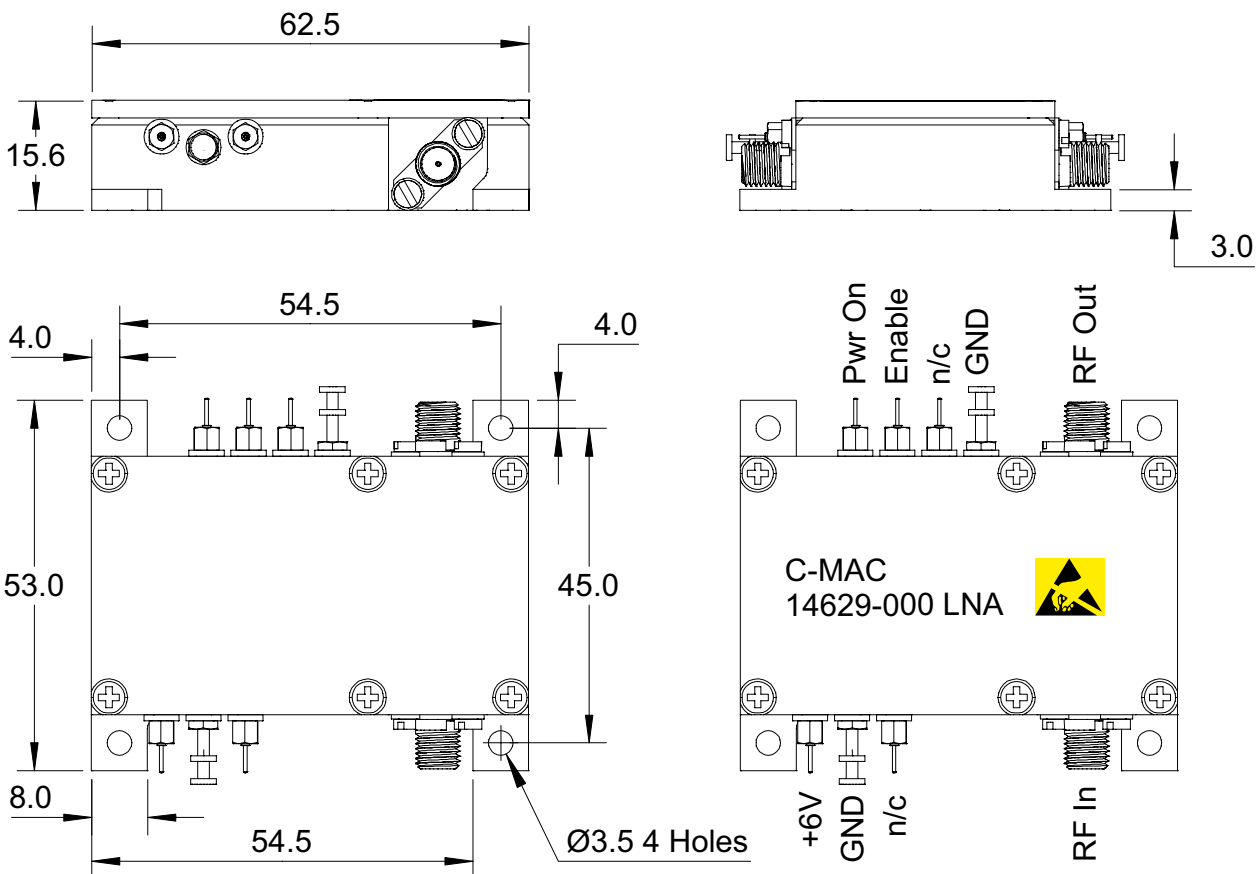
14629 - 0 0 0

↑	<b>RF In</b>	<b>RF Out</b>
0	FSMA	FSMA
1	FSMA	MSMA
2	MSMA	FSMA
3	MSMA	MSMA

Symbol	Function	Conditions	Minimum	Typical	Maximum
+6V	Positive Power Supply		4 V		7 V
GND	Ground Return				
Pwr On	Control - Amplifier Power On				
Enable	Control - RF Output Enable				
$I_{pD}$	Positive Supply Current, Disabled	Pwr On = V <sub>Low</sub> Enable = V <sub>Low</sub>		3 mA	
$I_p$	Positive Supply Current, Amplifier On	Pwr On = V <sub>High</sub> Enable = V <sub>Low</sub>	57 mA	67 mA	90 mA
V <sub>High</sub>	Control Logic High Voltage		2.0		
V <sub>Low</sub>	Control Logic Low Voltage				0.8



This module is rated as a JEDEC Class 1A (susceptible to ESD from 250V to <500V) static sensitive device. Observe precautions for handling ESD sensitive devices.



**Notes:**

1. Aluminium Package with hexavalent-free passivation.
2. Maximum recommended soldering temperature 260°C.
3. Specification subject to change without prior notice.

*Dimensions in mm.*

**For further information contact us at:**

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