



15 dBm P1dB, 500 MHz to 18 GHz, Medium Power
Broadband Amplifier, 33 dB Gain, 4 dB NF, SMA

TECHNICAL DATA SHEET

PE15A3263

The PE15A3263 is a 15 dBm power amplifier designed for operation in the 0.5 GHz to 18 GHz frequency range. The amplifier utilizes high power devices that provide excellent linearity and high gain. High efficiency operation is achieved by using hybrid MIC designs and advanced GaAs PHEMT devices. The amplifier requires only +12 VDC power supply.

Features

- 0.5 GHz to 18 GHz Frequency Range
- P1dB +15 dBm typ.
- Gain 30 dB min.
- Gain Flatness +/-1.5 dB typ

Applications

- Medium Power Amplifier
- Driver Amp
- Military Communications
- Broadband Communication
- Test & Measurement

Electrical Specifications (TA= 25°C, VDC1 = 12 Vdc)

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.5		18	GHz
Gain	30	33		dB
Gain Flatness		±1.5		dB
Output at 1 dB Compression Point	+15			dBm
Noise Figure		4		dB
Noise Figure at 0.5 to 2 GHz			5	dB
Noise Figure at 2 to 18 GHz			4	dB
Noise Figure at			3.5	dB
Input VSWR		2:1		
Output VSWR		2:1		
Operating DC Voltage 1	11	12	13	Volts
Operating DC Current		220		mA
Operating Temperature Range (OTR)	-40		+70	°C

Mechanical Specifications

Size	
Length	1.093 in [27.76 mm]
Width	1.33 in [33.78 mm]
Height	0.382 in [9.7 mm]
Weight	0.077 lbs [34.93 g]
Input Connector	SMA Female
Output Connector	SMA Female

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [15 dBm P1dB, 500 MHz to 18 GHz, Medium Power Broadband Amplifier, 33 dB Gain, 4 dB NF, SMA PE15A3263](#)



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Environmental Specifications

Temperature

Operating Range

-40 to +70 deg C

Shock

RTCS, DO-160C

Vibration

RTCS, DO-160C

Temperature Cycling

MIL-STD-883, METHOD 1010

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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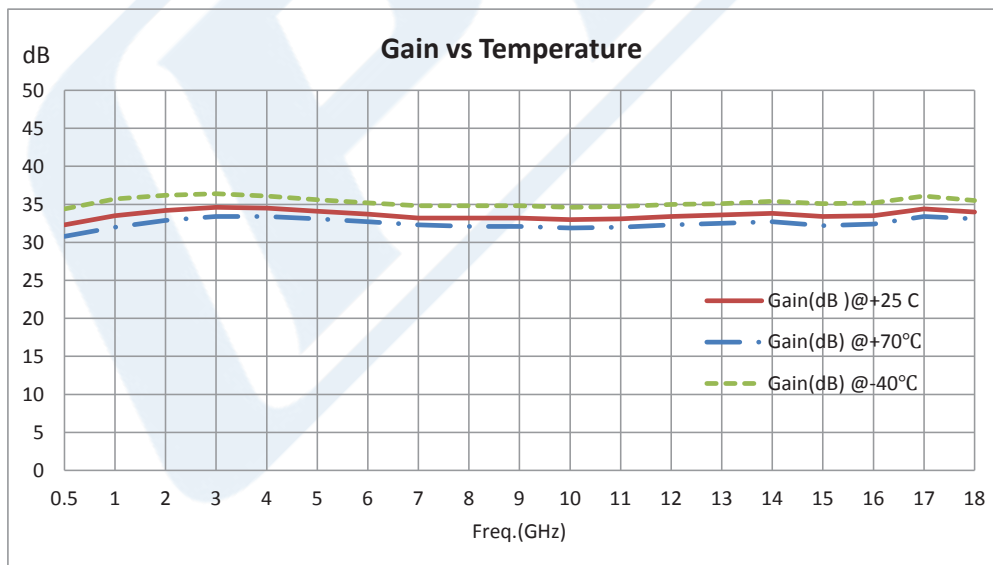
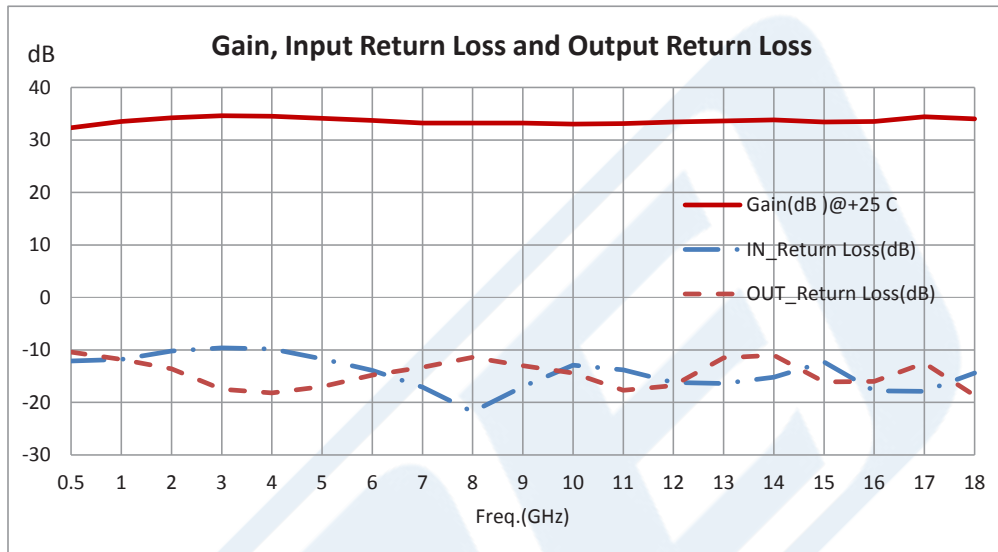


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Typical Performance Data



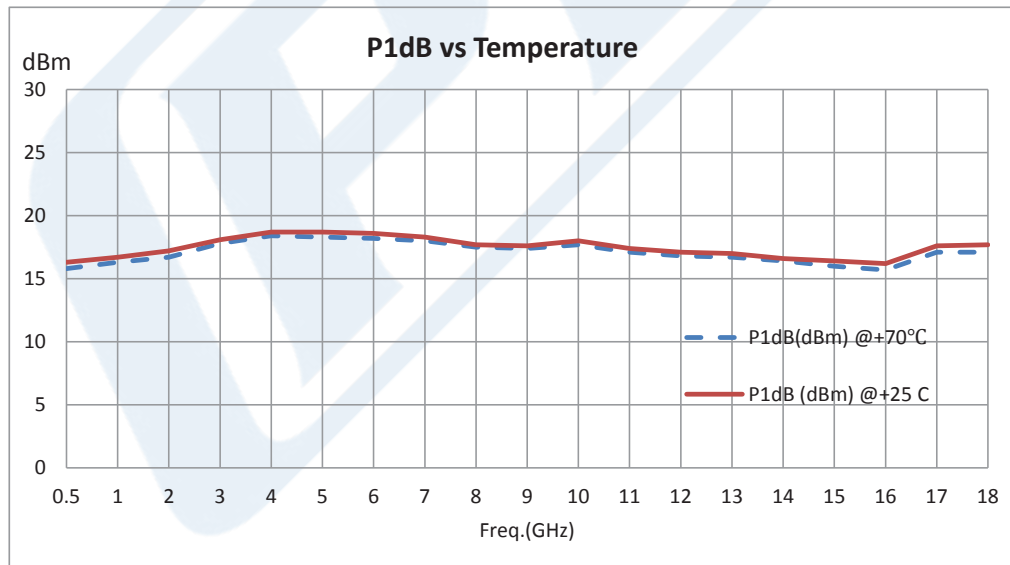
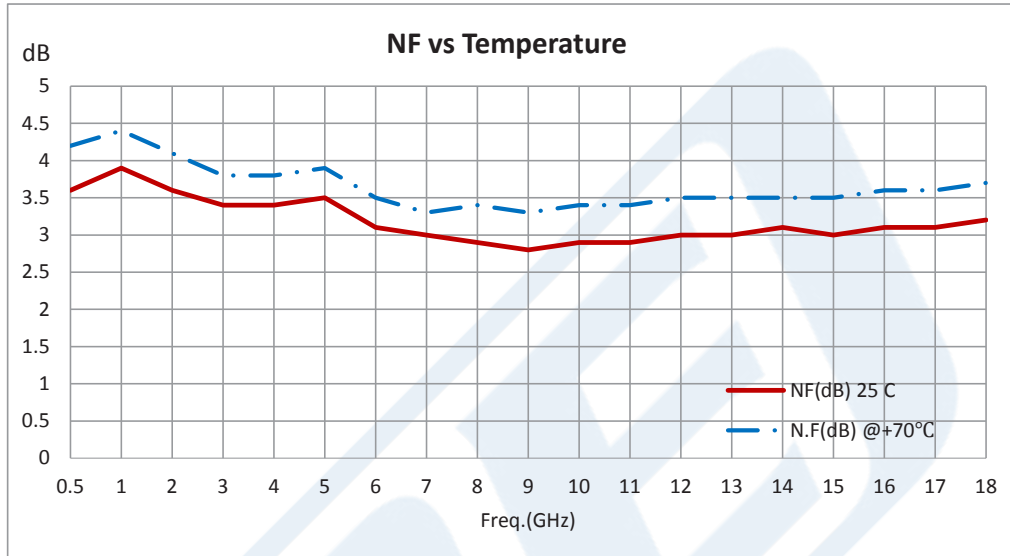
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15 dBm P1dB, 500 MHz to 18 GHz, Medium Power Broadband Amplifier, 33 dB Gain, 4 dB NF, SMA from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

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FSCM NO. 53919

CAD FILE **102914**

SIZE A

2233

单击下面可查看定价，库存，交付和生命周期等信息

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