

Waveguide Mixer Down Converter WR-28 From 26.5 GHz to 40 GHz, IF From DC to 18 GHz And LO Power of +13 dBm, UG-599/U Flange, Ka Band



Waveguide Converters - PE12D1005

Features

- Ka Band (26.5 to 40 GHz) full waveguide Down converter
- Broad IF Frequency Range: DC to 18 GHz
- · LO Drive level: +13 dBm nominal
- RF & LO Ports: WR-28 with UG-599/U-MOD Flange

Applications

- Receiver Subsystems
- Military Communications

- Double Balanced design
- Low Capacitance GaAs Schottky Beam Lead diodes
- Gold Plated Compact Package Design
- Operating Temperature: 0°C to +50°C
- Commercial Communications
- Instruments and Test Equipment

Description

The PE12D1005 is a full waveguide band down converter mixer with an LO and RF frequency range of 26.5 to 40 GHz (Ka Band). The IF frequency range is DC to 18 GHz with a nominal LO drive level of +13 dBm. The double balanced circuit design utilizes high performance GaAs Schottky beam lead diodes. Conversion loss is 6 dB typical and flat across the entire frequency band. The gold plated compact package design uses integrated WR-28 with UG-599/U-MOD waveguide flange interfaces for the RF and LO ports and a female SMA connector for the IF port.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	26.5		40	GHz
LO Frequency Range	26.5		40	GHz
IF Frequency Range	DC		18	GHz
Conversion Loss		6		dB
LO Connector Power		13	15	dBm

Mechanical Specifications

Temperature Operating Range

Size Length Width Height Weight

1.24 in [31.5 mm] 0.75 in [19.05 mm] 0.75 in [19.05 mm]

0 to +50 deg C

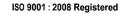
0.0625 lbs [28.35 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Waveguide Mixer Down Converter WR-28 From 26.5 GHz to 40 GHz, IF From DC to 18 GHz And LO Power of +13 dBm, UG-599/U Flange, Ka Band PE12D1005

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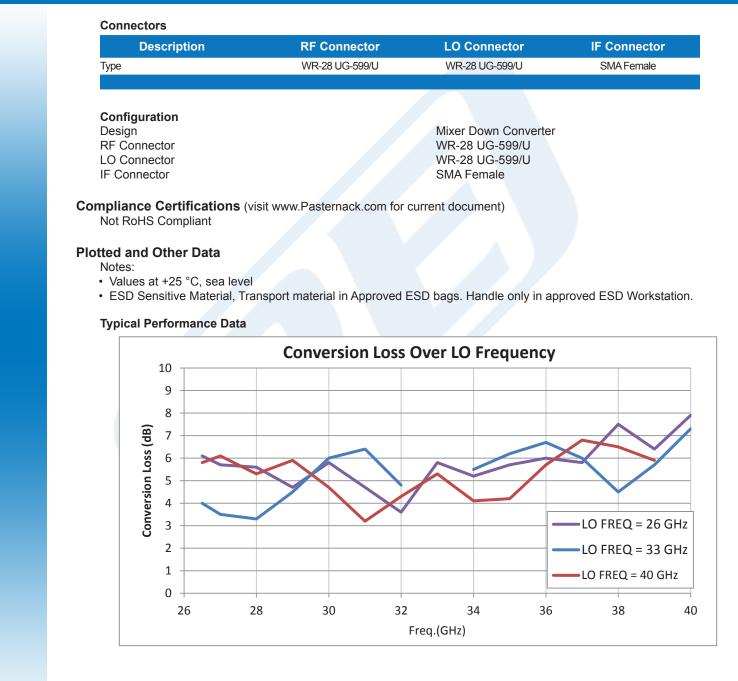




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URL: http://www.pasternack.com/waveguide-mixer-down-converter-wr-28-26.5-40-ghz-if-18-ghz-pe12d1005-p.aspx

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PE12D1005 CAD Drawing

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