

Broadband Gain Horn Antenna, 4 GHz to 8 GHz
20 dBi Gain, SMA Female Connector

Specialty Waveguide Antennas Technical Data Sheet

PEWAN1157

Features

- Antenna Measurements
- Laboratory Use
- Microwave Testing
- Radome Testing
- EMC measurement
- Satellite Antenna Testing

Applications

- Broadband 4 GHz to 8 GHz
- Double-Ridge Waveguide
- Linearly Polarized
- 20 dBi Nominal Gain
- SMA Female Connector
- Mounting Bracket Included
- Powder Coated Aluminum

Description

The PEWAN1157 broadband gain horn antenna (waveguide horn) from Pasternack is part of our comprehensive selection of waveguide antennas. This broadband horn features an SMA Female coaxial connector and operates from 4 to 8 GHz.

Our PEWAN1157 broadband gain horn antenna has a nominal gain of 20 dBi with a typical input VSWR of 1.5:1. Pasternack's double-ridge broadband horns are available in 10, 11, 13, 15, and 20 dBi models with varying cross band frequency ranges to suit all application needs.

Waveguide antennas, such as the PEWAN1157 are used in a wide variety of applications due to the high-power handling capability, low loss, high directivity, and near constant electrical performance. Our waveguide antennas with SMA Female interface are part of over 40,000 RF, microwave, and millimeter wave components from Pasternack available worldwide and Ship same day.

Configuration

Pattern	Directional
Polarization	Linear
Antenna Design Type	Broadband Gain Horn
RF Connector	SMA Female

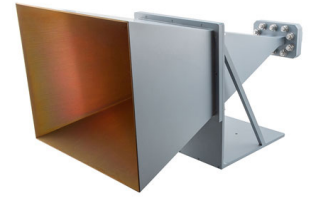
Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	4		8	GHz
Nominal Gain		20		dBi
VSWR		1.5:1		

Mechanical Specifications

Size	
Length	23.8 in [604.52 mm]
Width	13.5 in [342.9 mm]
Height	10.7 in [271.78 mm]
Weight	2.646 lbs [1.2 kg]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Broadband Gain Horn Antenna, 4 GHz to 8 GHz 20 dBi Gain, SMA Female Connector PEWAN1157](#)



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Body Material and Plating
RF Connector

Aluminum, Powder Coat
SMA Female

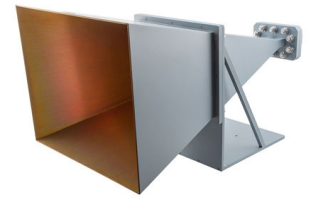
Environmental Specifications

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

Plotted and Other Data

Notes:

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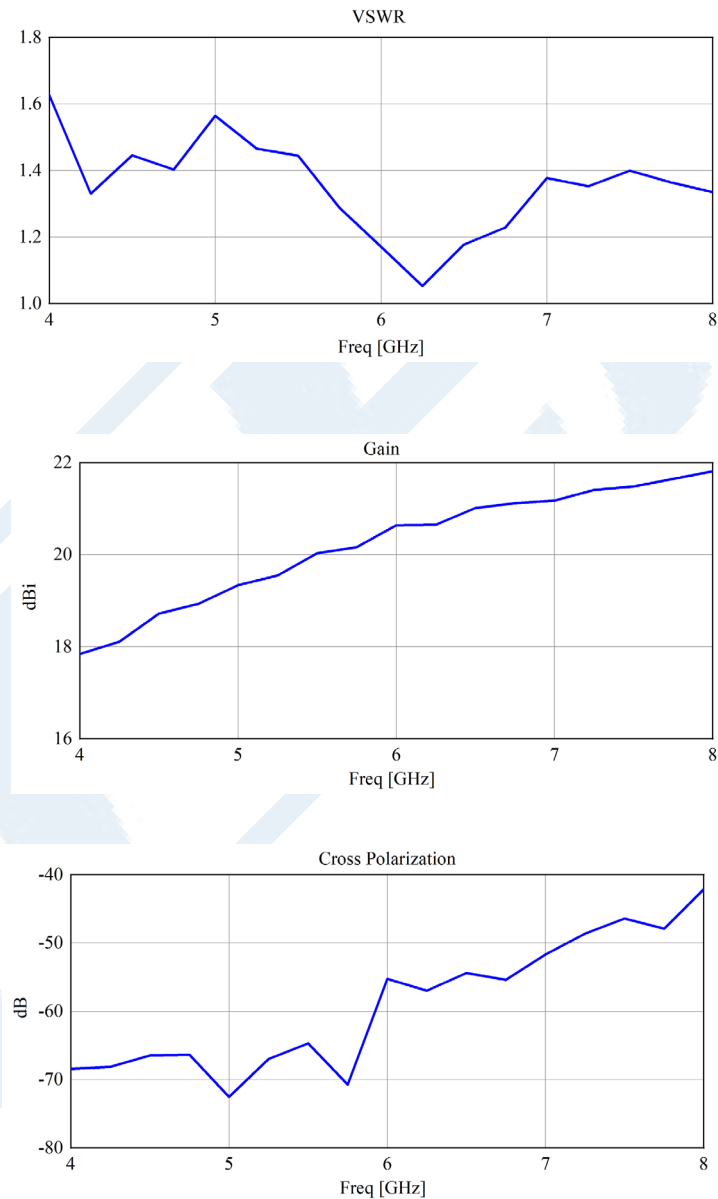


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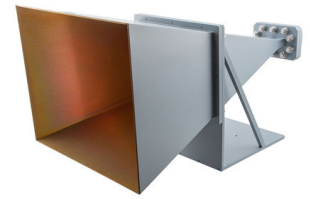
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Typical Performance Data



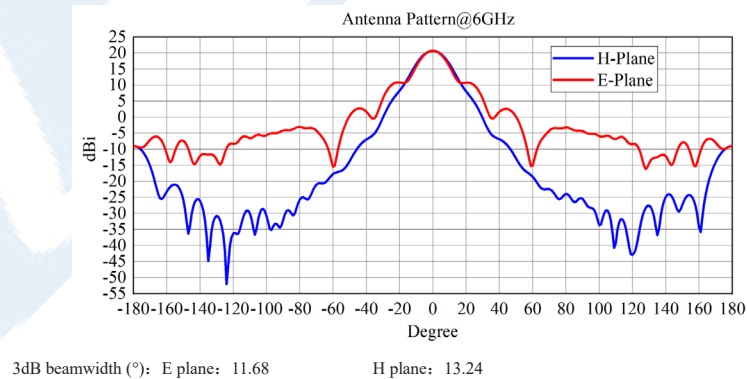
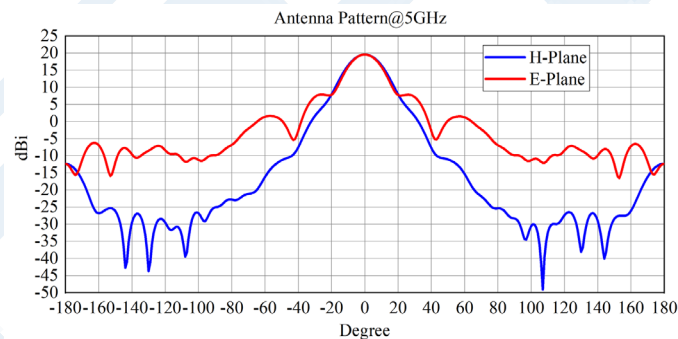
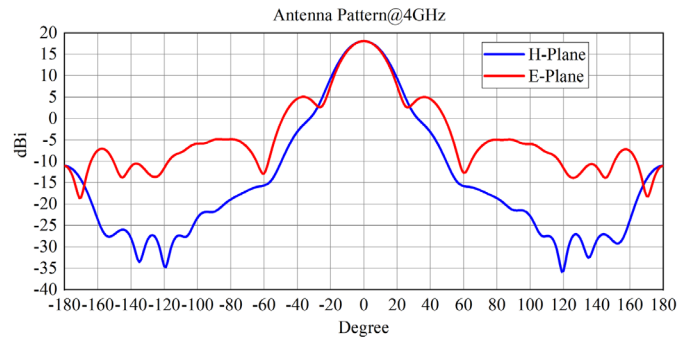
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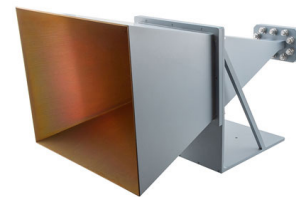
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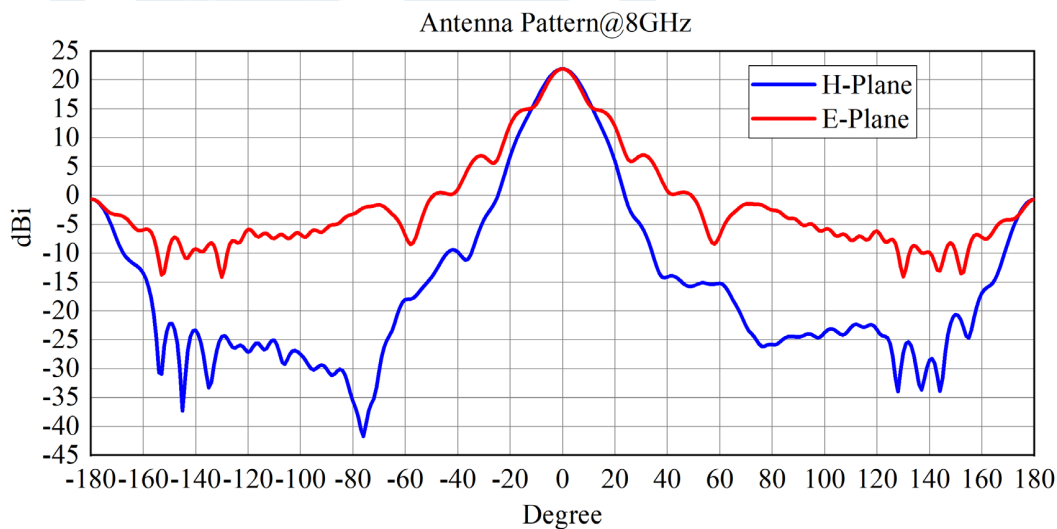
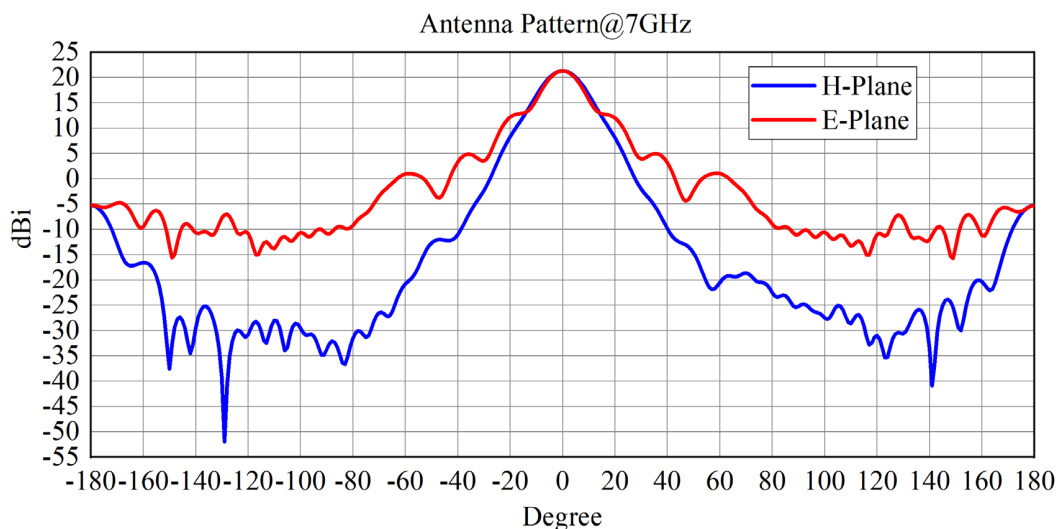
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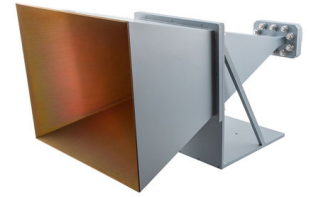
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Broadband Gain Horn Antenna, 4 GHz to 8 GHz 20 dBi Gain, SMA Female Connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

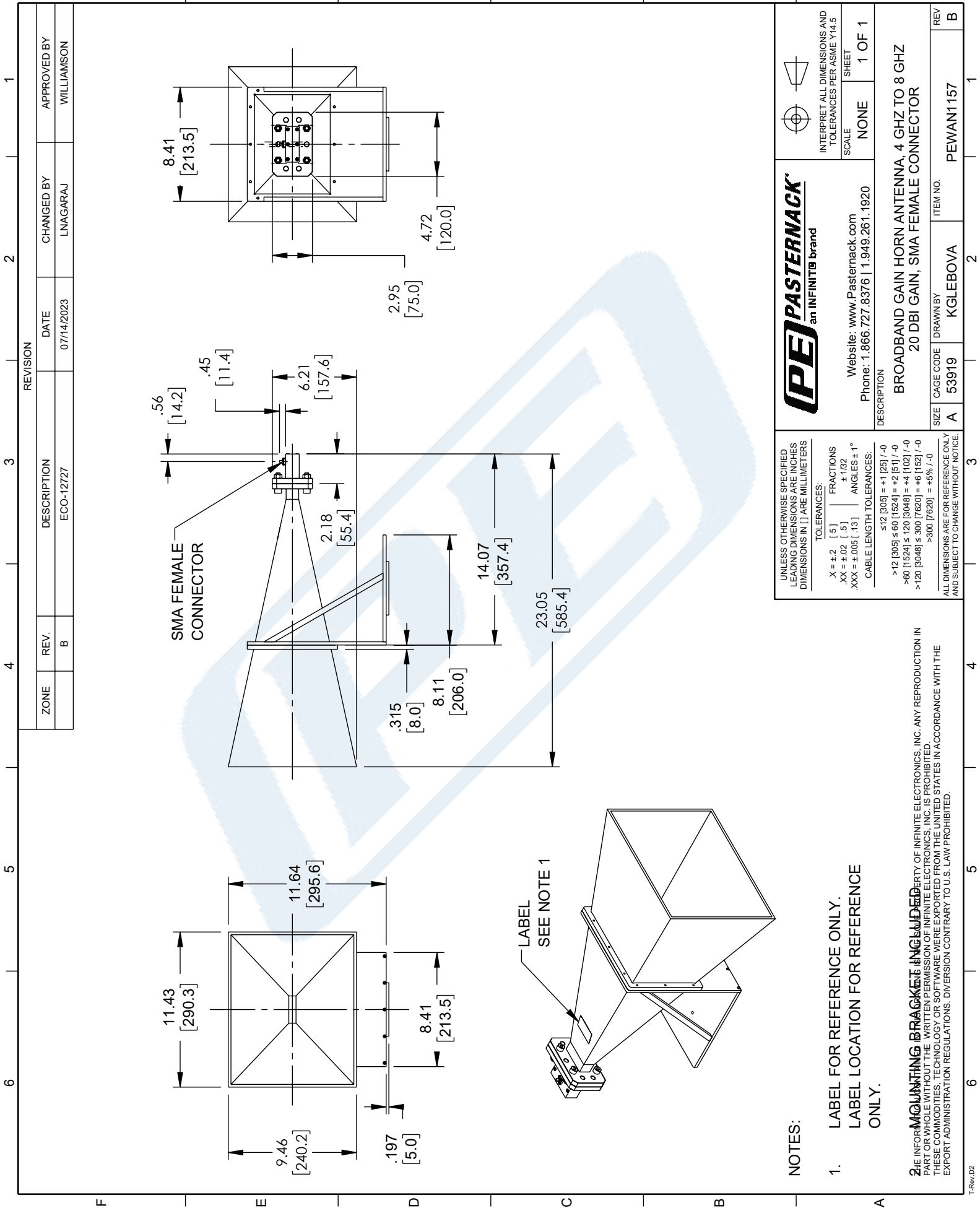
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PEWAN1157 CAD Drawing

Broadband Gain Horn Antenna, 4 GHz to 8 GHz 20 dBi Gain, SMA Female Connector



PE PASTERNAK® an INFINIT® brand		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE NONE	SHEET 1 OF 1
DESCRIPTION BROADBAND GAIN HORN ANTENNA, 4 GHZ TO 8 GHZ 20 DBI GAIN, SMA FEMALE CONNECTOR			
SIZE A	CAGE CODE 53919	DRAWN BY KGLEBOVA	ITEM NO. PEWAN1157
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		TOLERANCES: X = ± .2 [5] FRACTIONS XX = ± .02 [.5] ± .132 XXX = ± .005 [.13] ANGLES ± 1° CABLE LENGTH TOLERANCES: ≤ 12 [305] = ± 1 [25] / -0 > 12 [305] ≤ 60 [1524] = +2 [51] / -0 > 60 [1524] ≤ 120 [3048] = +4 [102] / -0 > 120 [3048] ≤ 300 [7620] = +6 [152] / -0 > 300 [7620] = +5% / -0 ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE	