



WR-75 Waveguide 30 dB Crossguide Coupler, 3 Port, Square Cover Flange, 10 GHz to 15 GHz, Bronze

Waveguide Couplers Assemblies Technical Data

PEWCT1017

The PEWCT1017 is a 30 dB three port, terminated WR-75 crossguide waveguide coupler that operates in the frequency range of 10 to 15 GHz. The coupler has a typical VSWR of 1.05. These designs are made of Bronze with Brass Square Cover Flanges. Pasternack offers a complete family of crossguide couplers in both three port (terminated) and four port (unterminated) configurations that are in stock and ship on the same day. Top wall couplers are also available.

Features

- Three Port
- Crossguide Waveguide Coupler
- Terminated
- 30 dB Nominal Coupling Level
- 10 GHz to 15 GHz Frequency Range
- Waveguide Body made of Bronze with Brass Flanges
- Low VSWR

Applications

- Test Benches
- Radar
- Satellite
- Microwave Radio
- Attenuation Measurements
- Power Measurements
- Source Leveling

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	10		15	GHz
Coupler				
Nominal Coupling Level		30		dB
Directivity		25		dB
Insertion Loss		0.1		dB
Main Line VSWR		1.05:1		
Termination				
VSWR		1.02		
Input Power (CW)			2.5	Watts

Mechanical Specifications

Size		
Length		6.5 in [165.1 mm]
Width		2.75 in [69.85 mm]
Interface		
Waveguide Size		WR-75
Flange Type		Square Cover

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-75 Waveguide 30 dB Crossguide Coupler, 3 Port, Square Cover Flange, 10 GHz to 15 GHz, Bronze PEWCT1017](#)



WR-75 Waveguide 30 dB Crossguide Coupler, 3 Port,
Square Cover Flange, 10 GHz to 15 GHz, Bronze

Waveguide Couplers Assemblies Technical Data

PEWCT1017

Flange Material and Plating

Brass

Coupler Body Material and Plating

Bronze

Termination Body Material and Plating

Bronze

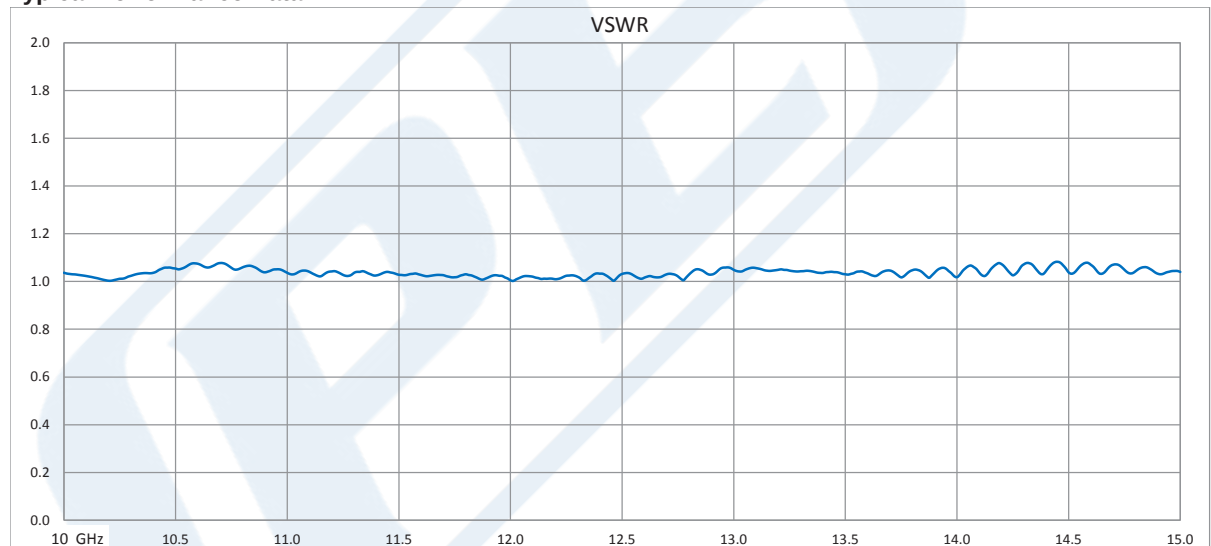
Environmental Specifications

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

Plotted and Other Data

Notes:

Typical Performance Data



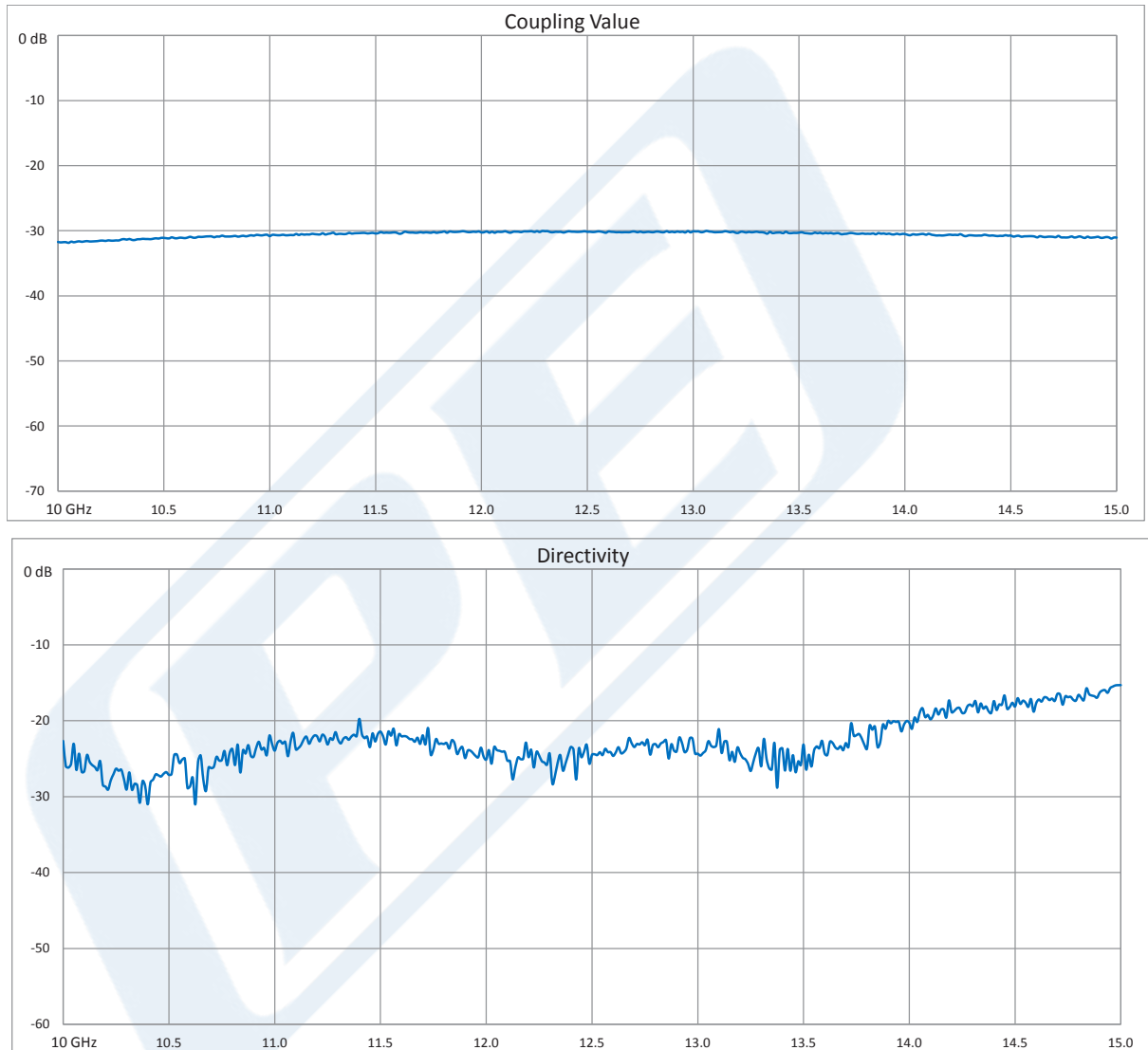
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-75 Waveguide 30 dB Crossguide Coupler, 3 Port, Square Cover Flange, 10 GHz to 15 GHz, Bronze PEWCT1017](#)



WR-75 Waveguide 30 dB Crossguide Coupler, 3 Port,
Square Cover Flange, 10 GHz to 15 GHz, Bronze

Waveguide Couplers Assemblies Technical Data

PEWCT1017



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-75 Waveguide 30 dB Crossguide Coupler, 3 Port, Square Cover Flange, 10 GHz to 15 GHz, Bronze PEWCT1017](#)

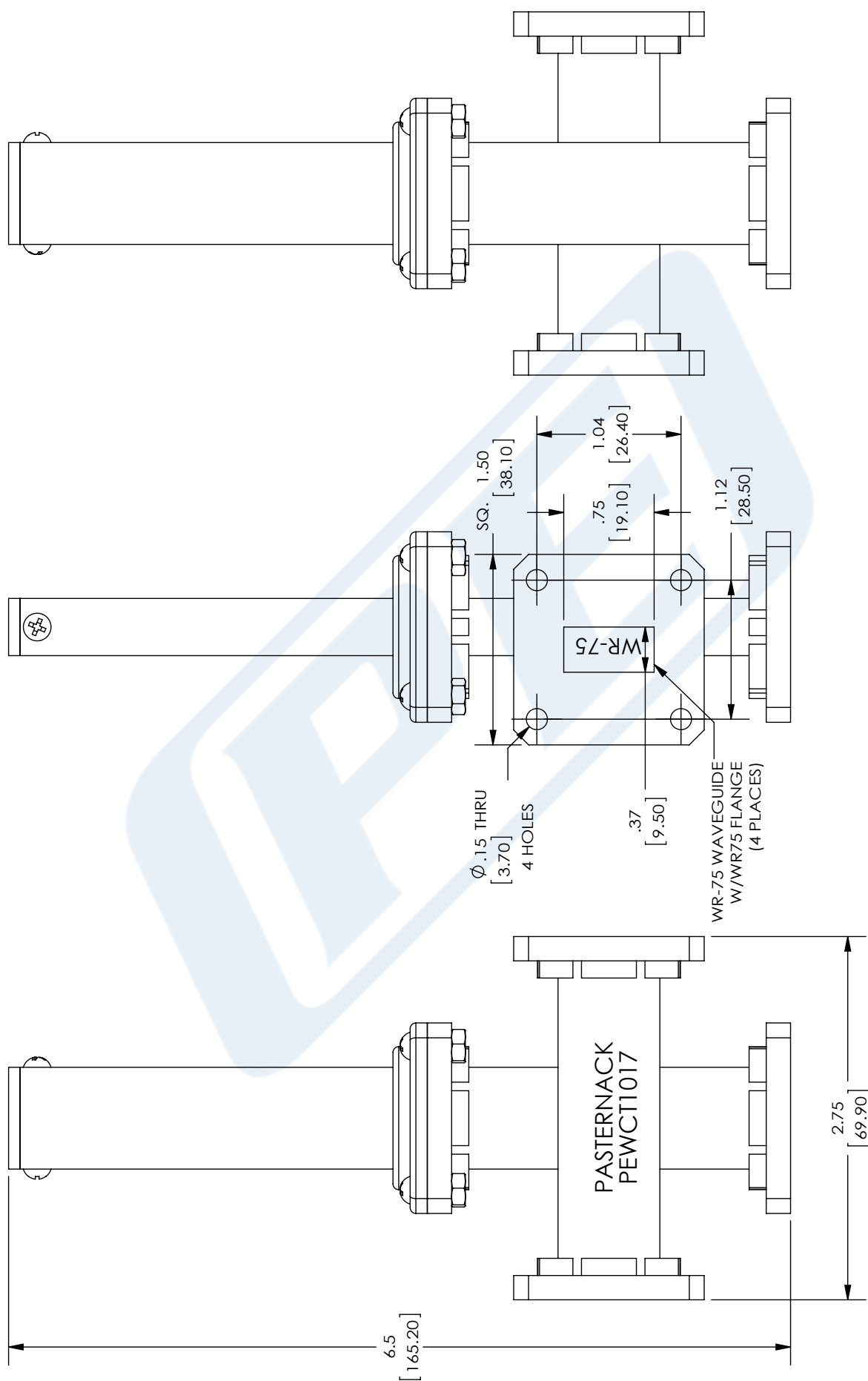
Waveguide Couplers Assemblies Technical Data

PEWCT1017



UL
REGISTERED FIRM
PASTERNAK ENTERPRISES, INC.
CERIFICATE NO. 1038287-0001

WR-75 Waveguide 30 dB Crossguide Coupler, 3 Port, Square Cover Flange, 10 GHz to 15 GHz, Bronze



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].

VG TITLE
PEWCT1017

CAGE CODE 53919

CAD FILE 051517

SCALE	N/A	SIZE A
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		

1408

1408

PE PASTERNAK®
THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | **Fax:** (949) 261-7455
Website: www.pasternack.com | **E-Mail:** sales@pasternack.com