



WR-62 Waveguide 30 dB Crossguide Coupler, 3 Port, UG-419/U Square Cover Flange, 12.4 GHz to 18 GHz, Bronze

Waveguide Couplers Assemblies Technical Data

PEWCT1013

The PEWCT1013 is a 30 dB three port, terminated WR-62 crossguide waveguide coupler that operates in the frequency range of 12.4 to 18 GHz. The coupler has a typical VSWR of 1.05. These designs are made of Bronze with Brass UG-419/U 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
- 12.4 GHz to 18 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	12.4		18	GHz
Coupler				
Nominal Coupling Level		30		dB
Directivity		10		dB
Insertion Loss		0.1		dB
Main Line VSWR		1.05:1		
Termination				
VSWR		1.02		
Input Power (CW)			1.5	Watts

Mechanical Specifications

Size

Length 5.9 in [149.86 mm]
 Width 2.5 in [63.5 mm]

Interface

Waveguide Size WR-62
 Flange Type Square Cover
 Flange Designation UG-419/U

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-62 Waveguide 30 dB Crossguide Coupler, 3 Port, UG-419/U Square Cover Flange, 12.4 GHz to 18 GHz, Bronze PEWCT1013](#)

