

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

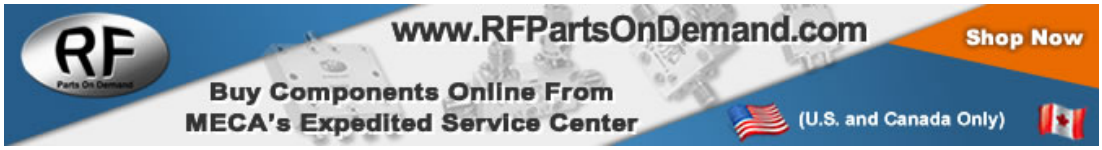
Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Meca 662-20-1* at our website: ***Click HERE***

Coronavirus COVID-19 Update. Learn More

MECA ELECTRONICS, INC.
Microwave Equipment & Components of America
459 E. Main Street Denville, NJ 07834 - (866) 444-6322 - sales@e-MECA.com
www.e-MECA.com



Quote Request Items

RFQ cart is empty

Product Categories

- Buy RF Parts Online
- New Products
- MIL-DTL

Power Dividers

- » ML80X Power Divider/Combiners

Directional Couplers

- » ML7XX Couplers

Hybrid Couplers

- » ML705

Terminations

- » ML40X Termination

- Public Safety

Power Dividers

- » N-Female
- » SMA-Female

Directional Couplers

- » N-Female

- Power Divider/Combiners

SMA-Female

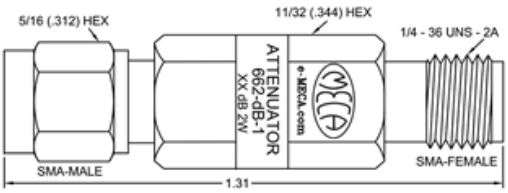
- » 2-Way
- » 3-Way

2 Watt Attenuators

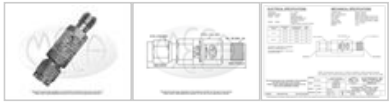
662-20-1, 2 Watts, Hz-4.0 GHz

Request A Quote Qty: 1 Add to RFQ





Detailed View & Spec Sheet



DOWNLOAD MECA's PUBLIC VEX FILE iBwave

MECHANICAL SPECIFICATIONS	
CONNECTORS	Brass, Albaloy
BODY COUPLING NUT	Brass, Albaloy
PIN FEMALE	Beryllium Copper, Gold Plate
PIN MALE	Beryllium Copper, Gold Plate
INSULATORS	PTFE Virgin Electrical Grade
TEMPERATURE	-55°C to +85°C
WEIGHT	0.3 oz

ELECTRICAL SPECIFICATIONS					
Frequency (GHz)	VSWR (Max)	Average Power[1] (W)	Peak Power[2] (W)	Attenuation Value (dB)	Attenuation Tolerance (dB)
Hz - 2.0 2.0 - 4.0	1.25:1 1.35:1	2	500	20	± 1.0 ± 1.5

Description:

MECA's 662-20-1 SMA (Male/Female) fixed attenuator features a frequency range of Hz-4.0 GHz, an average power rating of 2 watts and is available from STOCK in 3, 6, 10, 20 & 30 dB. ROHS Compliant. To order, please specify an attenuation value in place of dB. EXAMPLE: 662-**10**-1 for 10 dB.

- » 4-Way
- » 6-Way
- » 8-Way
- » 9-Way
- » 12-Way
- » 16-Way

N-Female

- » 2-Way
- » 3-Way
- » 4-Way
- » 6-Way
- » 8-Way
- » 9-Way
- » 12-Way
- » 16-Way

BNC-Female

- » 2-Way
- » 3-Way
- » 4-Way
- » 6-Way
- » 8-Way
- » 16-Way

TNC-Female

- » 2-Way
- » 3-Way
- » 4-Way
- » 6-Way
- » 8-Way
- » 16-Way

7/16 DIN

- » 2-Way
- » 3-Way
- » 4-Way

QMA

- » 2-Way
- » 3-Way
- » 4-Way
- » 8-Way

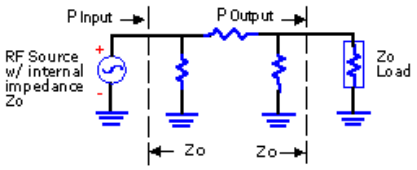
RPTNC

- » 2-Way
- » 3-Way
- » 4-Way
- » 6-Way

2.92mm

- » 2-Way
- » 4-Way

2.4mm



$$\text{Attenuation (dB)} = 10\log_{10}\frac{P_{Input}}{P_{Output}}$$

Click here to check Maximum Input Power Level as a function of attenuation for various power ratings.

Specifying Tip:

For best results when selecting an RF attenuator for a given connector style, make sure to consider the amount of power being absorbed and the acceptable level of reflection (VSWR) that can be tolerated over the operating frequency range.

Input Power Attenuated												
dB	1	2	3	4	5	6	7	8	9	10	20	30
%	20.57	36.90	49.88	60.19	68.38	74.88	80.05	84.15	87.41	90.00	99.00	99.90
Convenient Electrical Conversions												
VSWR	1.05:1	1.10:1	1.15:1	1.20:1	1.25:1	1.30:1	1.35:1	1.40:1	1.50:1			
Return Loss (-dB)	32.256	26.444	23.127	20.828	19.085	17.692	16.540	15.563	13.979			
Voltage Reflection Coeff.	0.024	0.048	0.070	0.091	0.111	0.130	0.149	0.167	0.200			
Match Efficiency (%)	99.94	99.97	99.51	99.17	98.77	98.30	97.78	97.22	96.00			
Mismatch Loss (-dB)	0.003	0.010	0.021	0.036	0.054	0.075	0.097	0.122	0.177			

Notes:

1. Average power at 25°C derated linearly to 0.75 Watt at +85°C
2. 1 µSec pulse, 0.5% duty cycle.
3. *Includes all variations (i.e. Frequency Sensitivity, Temperature, etc)
4. **All other values from 1-32 dB follow 30 dB specifications
5. Impedance (Nominal): 50 Ohms.

You may also be interested in the following product(s)

- » 2-Way
- » 4-Way

Additional Dividers

- » GPS DC Blocking
- » Tee Divider/Combiners
- » Reactive RF Splitters
- » V-Line Series
- » Accessories

- Unequal/Tappers
- Directional Couplers

SMA

- » CS (‹3GHz, 50W)
- » 780 (‹18GHz, 50W)
- » 785 (‹Dual 18GHz, 50W)
- » 715S (‹4.2GHz, 500W)
- » 722S (‹Dual 4.2GHz, 500W)

N-Type

- » CN (‹3GHz, 50W)
- » 715 (‹4.2GHz, 500W)
- » 722N (‹4.2GHZ, 500W)

N/SMA

- » 721 Series
- » 722 Series

2.92mm

- » 765 Series

2.4mm

- » 750 Series

- 3 dB Hybrid Couplers
- » N-Type
- » SMA
- » 7/16 DIN

- RF Terminations

N-Type

- » N-Male
- » N-Female

SMA

- » SMA-Male
- » SMA-Female

BNC

- » BNC-Male
- » BNC-Female

TNC

- » TNC-Male

7/16 DIN

- » Male
- » Female

4.1/9.5

- » 4.1/9.5 Male
- » 4.1/9.5 Female

4.3/10.0

- » 4.3/10.0 Male
- » 4.3/10.0 Female

QMA

- » QMA-Male

Reverse Polarity

- » RP-SMA-Male
- » RP-TNC-Male

Feed-Thru

- » N-Type
- » SMA
- » BNC
- » TNC

2.92mm

- » Male
- » Female

2.4mm

- » Male
- » Female

V-Line

- » V-Line

Accessories

- » Accessories

- Attenuators

N-Type

- » 2 Watts
- » 2.5 Watts
- » 5 Watts
- » 10 Watts
- » 20 Watts

- » 50 Watts
- » 100 Watts
- » 150 Watts

SMA

- » 2 Watts
- » 5 Watts
- » 10 Watts
- » 20 Watts

7/16 DIN

- » 5 Watts
- » 10 Watts
- » 25 Watts
- » 50 Watts
- » 100 Watts

BNC

- » 2 Watts

TNC

- » 2 Watts

QMA

- » 2 Watts

Reverse Polarity

- » 2 Watts

2.92mm

- » 2 Watts

2.4mm

- » 0.5 Watt

Accessories

- » 100 Watts
- » 150 Watts

Variable Step

- » All Models

- Variable Step Attenuators
- Cables & Adapters
  - » Adapters
  - » Jumper Cable Assemblies
- Isolators & Circulators
  - » RF Circulators
  - » RF Isolators
  - » Dual Junction Isolators
- DC Block
- Bias Tees

- D.A.S. Equipment
- mmWave Products
  - » Power Dividers
  - » Couplers
  - » Isolators
  - » Attenuators
  - » Terminations
  - » Adapters
  - » DC Block
- Low PIM Unequal/Tappers
- Low PIM Couplers
- Low PIM Terminations

N-Male

- » 10 Watts
- » 30 Watts
- » 50 Watts
- » 100 Watts
- » 150 Watts
- » 250 Watts

N-Female

- » 10 Watts
- » 30 Watts
- » 50 Watts
- » 100 Watts
- » 150 Watts
- » 250 Watts

DIN-Male

- » 10 Watts
- » 30 Watts
- » 50 Watts
- » 100 Watts
- » 150 Watts
- » 250 Watts

DIN-Female

- » 10 Watts
- » 30 Watts
- » 50 Watts
- » 100 Watts
- » 150 Watts
- » 250 Watts

4.1/9.5 Male

- » 10 Watts
- » 30 Watts
- » 50 Watts
- » 100 Watts
- » 250 Watts

4.1/9.5 Female

- » 10 Watts
- » 30 Watts
- » 50 Watts
- » 100 Watts

- » 250 Watts

4.3/10.0 Male

- » 10 Watts
- » 30 Watts
- » 50 Watts
- » 100 Watts

4.3/10.0 Female

- » 10 Watts
- » 50 Watts
- » 100 Watts

Accessories

- » BRKLPT-1
- » BRKLPT-2
- » BRKLPT-3

- Low PIM Attenuators

N-Type

- » 50 Watts
- » 100 Watts

7/16 DIN

- » 50 Watts
- » 100 Watts

4.1/9.5

- » 50 Watts
- » 100 Watts

4.3/10.0

- » 50 Watts
- » 100 Watts

- Low PIM Cables & Adapters
  - » Adapters
  - » Jumper Cable Assemblies
- Low PIM Splitters
- Low PIM Bias Tee's

Sales Support

Extended Hours
Application / Sales Support
till 8:00 pm EST
Call 866-444-6322

Details >

MECA Catalogs PDF

* Required

Name*

Email*

Company *

Register

Get Our Product Spotlight



Subscribe











CONTACT DETAILS

SITE LINKS

LEGAL

CERTIFICATIONS

459 East Main Street
Denville, NJ 07834

TF: (866) 444-6322
P: (973) 625-0661
F: (973) 625-9277
E: sales@e-MECA.com

Site Map
App Notes
Terms
Tradeshows
Distributors

Copyright © 2000-2019
MECA Electronics, Inc.
All Rights Reserved

ISO 9001:2015 Certified

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP