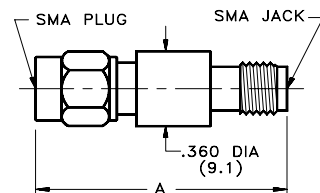


# Attenuators

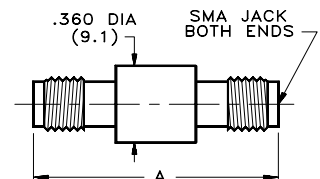
## SMA Miniature Type

| DC - 4.0 GHz                                                                                                        | 238 Series         | Model Numbers      |
|---------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|
| Male/Female                                                                                                         | Female/Female      | Male/Male          |
| ATT-0238-XX-SMA-02                                                                                                  | ATT-238F-XX-SMA-02 | ATT-238M-XX-SMA-02 |
| XX = Attenuation Value: Select 01-30dB in 1dB increments<br>(.5 dB increments available)<br><b>HIGH PERFORMANCE</b> |                    |                    |



| Attenuation Value | Length A |
|-------------------|----------|
| 1-20 dB           | 1.20     |
| 21-60 dB          | 1.49     |

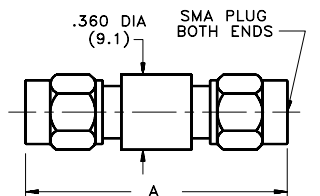
| DC - 2.0 GHz                                                                                                        | 208 Series         | Model Numbers      |
|---------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|
| Male/Female                                                                                                         | Female/Female      | Male/Male          |
| ATT-0208-XX-SMA-02                                                                                                  | ATT-208F-XX-SMA-02 | ATT-208M-XX-SMA-02 |
| XX = Attenuation Value: Select 01-60dB in 1dB increments<br>(.5 dB increments available)<br><b>HIGH PERFORMANCE</b> |                    |                    |



| Attenuation Value | Length A |
|-------------------|----------|
| 1-20 dB           | 1.07     |
| 21-60 dB          | 1.36     |

### Low Cost - Inexpensive Types

| DC - 18.0 GHz                                                               | 333 Series         | Model Numbers      |
|-----------------------------------------------------------------------------|--------------------|--------------------|
| Male/Female                                                                 | Female/Female      | Male/Male          |
| ATT-0333-XX-SMA-02                                                          | ATT-333F-XX-SMA-02 | ATT-333M-XX-SMA-02 |
| XX = Attenuation Value: Select 01-60dB in 1dB increments<br><b>LOW COST</b> |                    |                    |



| Attenuation Value | Length A |
|-------------------|----------|
| 1-20 dB           | 1.33     |
| 21-60 dB          | 1.62     |

| DC - 8.0 GHz                                                                | 334 Series         | Model Numbers      |
|-----------------------------------------------------------------------------|--------------------|--------------------|
| Male/Female                                                                 | Female/Female      | Male/Male          |
| ATT-0334-XX-SMA-02                                                          | ATT-334F-XX-SMA-02 | ATT-334M-XX-SMA-02 |
| XX = Attenuation Value: Select 01-60dB in 1dB increments<br><b>LOW COST</b> |                    |                    |

### SPECIFICATIONS - LOW COST

#### Attenuation Accuracy:

|          | DC - 12.4 GHz | 12.4 - 18 GHz |
|----------|---------------|---------------|
| 1-4 dB   | ± 0.75 dB     | ± 0.75 dB     |
| 5-8 dB   | ± 0.75 dB     | ± 1.00 dB     |
| 9-12 dB  | ± 1.00 dB     | ± 1.25 dB 3 - |
| 20 dB    | ± 1.50 dB     | ± 1.50 dB     |
| 21-40 dB | ± 2.00 dB     | ± 2.00 dB     |
| 41-60 dB | ± 2.50 dB     | ± 2.50 dB     |

#### VSWR:

|          |
|----------|
| 1.25 max |
| 1.45 max |
| 1.65 max |

#### Frequency (GHz)

|             |
|-------------|
| DC - 4.0    |
| 4.0 - 12.4  |
| 12.4 - 18.0 |

**Power:** 2 Watts Average @ 25C derated linearly to .5 watts @ 125C

**Peak Power:** 200 Watts

**Operating Temperature Range:** -65 to +125C

**Finish:** Passivated Stainless Steel

**Dimensions:** Same as 263 Series

| DC - 2.0 GHz                                                                | 335 SeriesS        | Model Numbers      |
|-----------------------------------------------------------------------------|--------------------|--------------------|
| Male/Female                                                                 | Female/Female      | Male/Male          |
| ATT-0335-XX-SMA-02                                                          | ATT-335F-XX-SMA-02 | ATT-335M-XX-SMA-02 |
| XX = Attenuation Value: Select 01-60dB in 1dB increments<br><b>LOW COST</b> |                    |                    |

Note: \* U.S. Patent No. 3,824,506 applies to all \* Fixed Attenuators.


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| SKU                             | Product    | Frequency | Power | Body | Interface | Gender | dB |                              |
|---------------------------------|------------|-----------|-------|------|-----------|--------|----|------------------------------|
| Miniature SMA Fixed Attenuators |            |           |       |      |           |        |    |                              |
| ATT-0208-00-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 0  | <a href="#">More Details</a> |
| ATT-0208-01-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 1  | <a href="#">More Details</a> |
| ATT-0208-02-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 2  | <a href="#">More Details</a> |
| ATT-0208-03-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 3  | <a href="#">More Details</a> |
| ATT-0208-04-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 4  | <a href="#">More Details</a> |
| ATT-0208-05-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 5  | <a href="#">More Details</a> |
| ATT-0208-06-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 6  | <a href="#">More Details</a> |
| ATT-0208-07-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 7  | <a href="#">More Details</a> |
| ATT-0208-08-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 8  | <a href="#">More Details</a> |
| ATT-0208-09-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 9  | <a href="#">More Details</a> |
| ATT-0208-10-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 10 | <a href="#">More Details</a> |
| ATT-0208-11-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 11 | <a href="#">More Details</a> |
| ATT-0208-12-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 12 | <a href="#">More Details</a> |
| ATT-0208-13-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 13 | <a href="#">More Details</a> |
| ATT-0208-14-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 14 | <a href="#">More Details</a> |
| ATT-0208-15-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 15 | <a href="#">More Details</a> |
| ATT-0208-16-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 16 | <a href="#">More Details</a> |
| ATT-0208-17-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 17 | <a href="#">More Details</a> |
| ATT-0208-18-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 18 | <a href="#">More Details</a> |
| ATT-0208-19-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 19 | <a href="#">More Details</a> |
| ATT-0208-20-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 20 | <a href="#">More Details</a> |
| ATT-0208-21-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 21 | <a href="#">More Details</a> |
| ATT-0208-22-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 22 | <a href="#">More Details</a> |
| ATT-0208-23-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 23 | <a href="#">More Details</a> |
| ATT-0208-24-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 24 | <a href="#">More Details</a> |
| ATT-0208-25-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 25 | <a href="#">More Details</a> |
| ATT-0208-26-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 26 | <a href="#">More Details</a> |
| ATT-0208-27-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 27 | <a href="#">More Details</a> |
| ATT-0208-28-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 28 | <a href="#">More Details</a> |
| ATT-0208-29-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 29 | <a href="#">More Details</a> |
| ATT-0208-30-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 30 | <a href="#">More Details</a> |
| ATT-0208-31-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 31 | <a href="#">More Details</a> |
| ATT-0208-32-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 32 | <a href="#">More Details</a> |
| ATT-0208-33-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 33 | <a href="#">More Details</a> |
| ATT-0208-34-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 34 | <a href="#">More Details</a> |
| ATT-0208-35-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 35 | <a href="#">More Details</a> |
| ATT-0208-36-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 36 | <a href="#">More Details</a> |
| ATT-0208-37-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 37 | <a href="#">More Details</a> |
| ATT-0208-38-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 38 | <a href="#">More Details</a> |
| ATT-0208-39-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 39 | <a href="#">More Details</a> |
| ATT-0208-40-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 40 | <a href="#">More Details</a> |
| ATT-0208-41-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 41 | <a href="#">More Details</a> |
| ATT-0208-42-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 42 | <a href="#">More Details</a> |

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|--------------------|------------|---|---|-----|---------|-----|----|------------------------------|
| ATT-0208-43-SMA-02 | Attenuator | 2 | 2 | STD | SMA/SMA | M/F | 43 | <a href="#">More Details</a> |
| ATT-0208-44-SMA-02 | Attenuator | 2 | 2 | STD | SMA/SMA | M/F | 44 | <a href="#">More Details</a> |
| ATT-0208-45-SMA-02 | Attenuator | 2 | 2 | STD | SMA/SMA | M/F | 45 | <a href="#">More Details</a> |
| ATT-0208-46-SMA-02 | Attenuator | 2 | 2 | STD | SMA/SMA | M/F | 46 | <a href="#">More Details</a> |
| ATT-0208-47-SMA-02 | Attenuator | 2 | 2 | STD | SMA/SMA | M/F | 47 | <a href="#">More Details</a> |
| ATT-0208-48-SMA-02 | Attenuator | 2 | 2 | STD | SMA/SMA | M/F | 48 | <a href="#">More Details</a> |
| ATT-0208-49-SMA-02 | Attenuator | 2 | 2 | STD | SMA/SMA | M/F | 49 | <a href="#">More Details</a> |

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| ATT-0208-50-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 50   | <a href="#">More Details</a> |
| ATT-0208-51-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 51   | <a href="#">More Details</a> |
| ATT-0208-52-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 52   | <a href="#">More Details</a> |
| ATT-0208-53-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 53   | <a href="#">More Details</a> |
| ATT-0208-54-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 54   | <a href="#">More Details</a> |
| ATT-0208-55-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 55   | <a href="#">More Details</a> |
| ATT-0208-56-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 56   | <a href="#">More Details</a> |
| ATT-0208-57-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 57   | <a href="#">More Details</a> |
| ATT-0208-58-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 58   | <a href="#">More Details</a> |
| ATT-0208-59-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 59   | <a href="#">More Details</a> |
| ATT-0208-60-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 60   | <a href="#">More Details</a> |
| ATT-0208-70-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 0.5  | <a href="#">More Details</a> |
| ATT-0208-71-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 1.5  | <a href="#">More Details</a> |
| ATT-0208-72-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 2.5  | <a href="#">More Details</a> |
| ATT-0208-73-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 3.5  | <a href="#">More Details</a> |
| ATT-0208-74-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 4.5  | <a href="#">More Details</a> |
| ATT-0208-75-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 5.5  | <a href="#">More Details</a> |
| ATT-0208-76-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 6.5  | <a href="#">More Details</a> |
| ATT-0208-77-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 7.5  | <a href="#">More Details</a> |
| ATT-0208-78-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 8.5  | <a href="#">More Details</a> |
| ATT-0208-79-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 9.5  | <a href="#">More Details</a> |
| ATT-0208-80-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 10.5 | <a href="#">More Details</a> |
| ATT-0208-81-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 11.5 | <a href="#">More Details</a> |
| ATT-0208-82-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 12.5 | <a href="#">More Details</a> |
| ATT-0208-83-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 13.5 | <a href="#">More Details</a> |
| ATT-0208-84-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 14.5 | <a href="#">More Details</a> |
| ATT-0208-85-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 15.5 | <a href="#">More Details</a> |
| ATT-0208-86-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 16.5 | <a href="#">More Details</a> |
| ATT-0208-87-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 17.5 | <a href="#">More Details</a> |
| ATT-0208-88-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 18.5 | <a href="#">More Details</a> |
| ATT-0208-89-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 19.5 | <a href="#">More Details</a> |
| ATT-0208-90-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 20.5 | <a href="#">More Details</a> |
| ATT-0208-91-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 21.5 | <a href="#">More Details</a> |
| ATT-0208-92-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 22.5 | <a href="#">More Details</a> |
| ATT-0208-93-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 23.5 | <a href="#">More Details</a> |
| ATT-0208-94-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 24.5 | <a href="#">More Details</a> |
| ATT-0208-95-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 25.5 | <a href="#">More Details</a> |
| ATT-0208-96-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 26.5 | <a href="#">More Details</a> |
| ATT-0208-97-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 27.5 | <a href="#">More Details</a> |
| ATT-0208-98-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 28.5 | <a href="#">More Details</a> |
| ATT-0208-99-SMA-02              | Attenuator | 2         | 2     | STD  | SMA/SMA   | M/F    | 29.5 | <a href="#">More Details</a> |

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