

Part No:

# HA18A-12



**HASCO, INC**  
COMPONENTS DISTRIBUTOR



## 12 dB - Fixed Attenuator SMA Male To SMA Female Up To 18 GHz Rated To 2 Watts with Passivated Stainless Steel Body

### Electrical

- Frequency Range DC - 18 GHz
- VSWR
  - DC - 4 GHz ..... 1.15:1
  - 4 - 8 GHz ..... 1.20:1
  - 8 - 12.4 GHz ..... 1.25:1
  - 12.4 - 18 GHz ..... 1.35:1
- Impedance 50 Ohms
- Power
  - 2 Watt
  - 5  $\mu$ Sec Pulse, 0.05% Duty Cycle
- Power Peak 250 Watts

### Environmental Data

- Temperature Range -55°C - +85°C

### Material

- Body Passivated Stainless Steel
- Hex-Nut Passivated Stainless Steel
- Center Contact Gold Plated BeCu
- Housing Passivated Stainless Steel
- Insulators PTFE, Virgin Electrical Grade

| **dB Value | PART NO.  | ATTENUATION |
|------------|-----------|-------------|
| 0.5        | HA18A-005 | $\pm$ 0.30  |
| 1          | HA18A-01  | $\pm$ 0.30  |
| 2          | HA18A-02  | $\pm$ 0.30  |
| 3          | HA18A-03  | $\pm$ 0.30  |
| 4          | HA18A-04  | $\pm$ 0.30  |
| 5          | HA18A-05  | $\pm$ 0.30  |
| 6          | HA18A-06  | $\pm$ 0.30  |
| 7          | HA18A-07  | $\pm$ 0.30  |
| 8          | HA18A-08  | $\pm$ 0.30  |
| 9          | HA18A-09  | $\pm$ 0.30  |
| 10         | HA18A-10  | $\pm$ 0.50  |
| 11         | HA18A-11  | $\pm$ 0.50  |
| 12         | HA18A-12  | $\pm$ 0.50  |
| 13         | HA18A-13  | $\pm$ 0.50  |
| 14         | HA18A-14  | $\pm$ 0.50  |
| 15         | HA18A-15  | $\pm$ 0.50  |
| 16         | HA18A-16  | $\pm$ 0.50  |
| 17         | HA18A-17  | $\pm$ 0.50  |
| 18         | HA18A-18  | $\pm$ 0.50  |
| 19         | HA18A-19  | $\pm$ 0.50  |
| 20         | HA18A-20  | $\pm$ 0.50  |
| 25         | HA18A-25  | $\pm$ 0.75  |
| 30         | HA18A-30  | $\pm$ 0.75  |

The HASCO Fixed Attenuator **HA18A-12** is rated to 2 Watts and operates from DC to 18GHz. The versatile coaxial package uses SMA male to SMA female connectors.

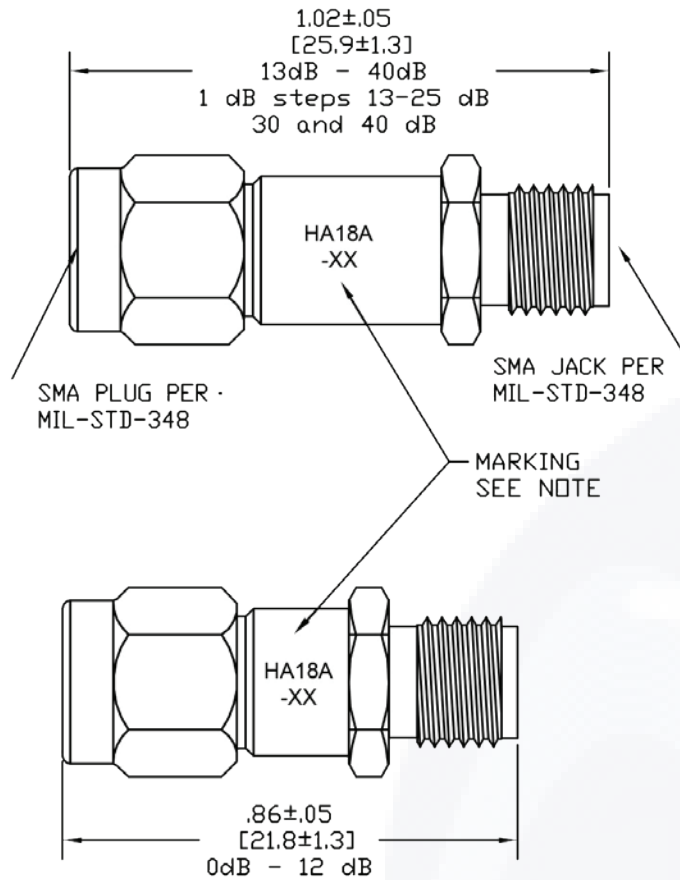
The HA18A-12 is RoHS compliant.



RF microwave attenuators (also known as RF pads) lower the amplitude of a signal (attenuate) a known amount and can be used in a wide variety of applications. These attenuator pads are used when a signal needs to be reduced to protect measurement equipment or other circuitry, to extend the range of power meters and amplifiers, and to impedance match circuits by reducing the VSWR seen by adjacent components. RF attenuators can prevent signal overload in amplifiers, receivers and detectors, adjusting the signal level to a range that is optimal.


To view online, go to: <https://www.hasco-inc.com/attenuators/12-db-fixed-attenuator-sma-male-to-sma-female-up-to-18-ghz-rated-to-2-watts-with-passivated-stainless-steel-body/>

# HA18A-12 | DC - 18 GHz • 2 Watts | Outline Drawing



| **dB Value | PART NO.  | ATTENUATION |
|------------|-----------|-------------|
| 0.5        | HA18A-005 | ± 0.30      |
| 1          | HA18A-01  | ± 0.30      |
| 2          | HA18A-02  | ± 0.30      |
| 3          | HA18A-03  | ± 0.30      |
| 4          | HA18A-04  | ± 0.30      |
| 5          | HA18A-05  | ± 0.30      |
| 6          | HA18A-06  | ± 0.30      |
| 7          | HA18A-07  | ± 0.30      |
| 8          | HA18A-08  | ± 0.30      |
| 9          | HA18A-09  | ± 0.30      |
| 10         | HA18A-10  | ± 0.50      |
| 11         | HA18A-11  | ± 0.50      |
| 12         | HA18A-12  | ± 0.50      |
| 13         | HA18A-13  | ± 0.50      |
| 14         | HA18A-14  | ± 0.50      |
| 15         | HA18A-15  | ± 0.50      |
| 16         | HA18A-16  | ± 0.50      |
| 17         | HA18A-17  | ± 0.50      |
| 18         | HA18A-18  | ± 0.50      |
| 19         | HA18A-19  | ± 0.50      |
| 20         | HA18A-20  | ± 0.50      |
| 25         | HA18A-25  | ± 0.75      |
| 30         | HA18A-30  | ± 0.75      |

To view online, go to: <https://www.hasco-inc.com/attenuators/12-db-fixed-attenuator-sma-male-to-sma-female-up-to-18-ghz-rated-to-2-watts-with-passivated-stainless-steel-body/>

|     |             |       |       |  |                 |   |   |   |               |            |  |  |
|-----|-------------|-------|-------|--|-----------------|---|---|---|---------------|------------|--|--|
| LTR | DESCRIPTION | DATE  | APPR. | DRAWN BY: ABC  | CHECKED BY: ABC |  | 5214 Bonsai Street • Moorpark, CA 93021<br>(888) 498-3242 • sales@hasco-inc.com<br><a href="http://www.hasco-inc.com">www.hasco-inc.com</a> |   |               |            |  |  |
| -   | RELEASE     | 12/16 | TAC   | APPROVED BY: ABC   |                 |   | MATERIALS:<br>SEE DATA SHEET  | CAGE CODE:<br>OT8L4                     | SCALE:<br>N/A | SIZE:<br>A |  |  |
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