

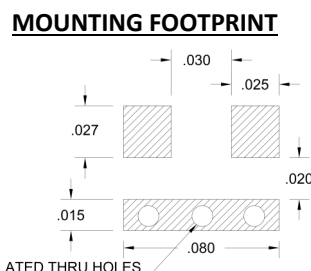
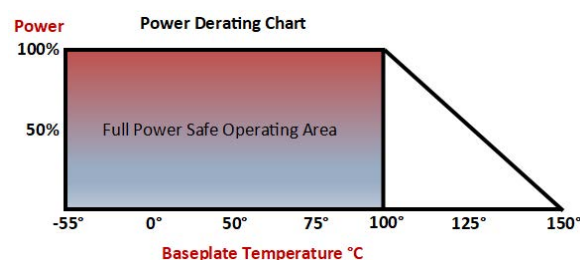
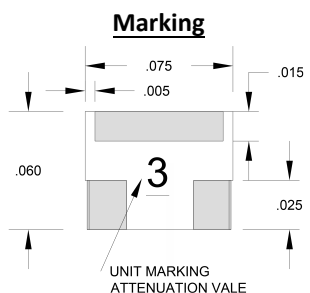
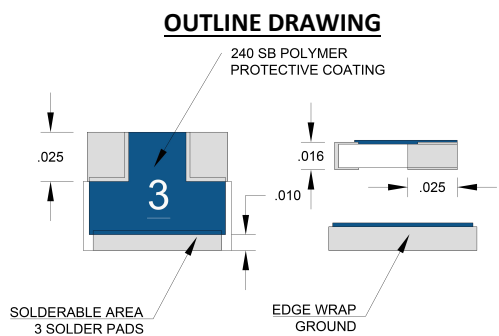
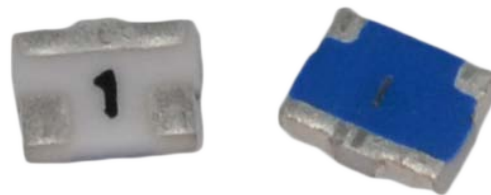


DC - 15.0 GHz.

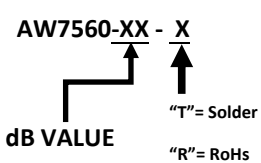
Model: AW7560-XX

Triple-Wrap Configuration

HYBR-FILM AW7560 Series attenuators are high performing low cost RF & Microwave resistive film products on the market today. Designed for SMT soldering processes resulting with a visible solder fillet on printed circuit boards, offer excellent frequency stability and reliability. With a Power rating of 1 watt using the recommended footprint combined with versatile HYBR-FILM technology allows for easy design-in solutions or replacing older outdated marginal devices that may have degraded or drifted over time. Applications include Medical, Broadcast, Industrial, Commercial Wireless, Military and Space. The **P3** library of designs allows for modifications of standard designs to be made quickly and inexpensively to meet specific requirements with short delivery times and low MOQ's. Chip are also available with with standard Platinum/Silver solder pads or can be supplied solder-tined. Standard packaging is Bulk in Anti-Static bag. Tape and Reel is also available upon request.



PART NUMBERING



ELECTRICAL SPECIFICATION

- Frequency Range: DC - 15 GHz.
- Impedance: 50 Ω
- Attenuation: 0 -10 dB (1 dB Increments, See Chart)
- Average Power: 0.25 W CW
- Peak Power: 1 W (10µs pulse, 10% Duty Cycle)
- VSWR: See Chart 2nd Page
- Operating Temp.: -55° C to +150° C

MECHANICAL SPECIFICATION

- Substrate: 96% Alumina
- Resistor Film: Hybrid Blended Thick Film
- Terminal Material: Platinum/Silver (RoHS)
- Tolerance: ±0.005"
- Storage Temp: -55° C To +175° C
- Altitude Operating: To 50,000 Feet
- Vibration: MIL-STD-202, Method 204, Cond. D
- Shock: MIL-STD-202, Method 213, Cond. I
- Moisture Resistance: MIL-STD-202, Method 106
- Marking: dB Value, Permanent, MIL-STD-130
- Workmanship: Per MIL-PFR-55342
- Packaging: Bulk, Waffel-Pak, Tape & Reel



ATTENUATION ACCURACY			
dB Value	DC - 4 GHz	4 - 12 GHz	12-15 GHz
0	+ 0.3	+ 0.5	+ 0.5
1 - 3	± 0.3	± 0.5	± 0.5
4 - 6	± 0.4	± 0.5	± 0.5
7 - 10	± 0.5	± 0.5	± 0.75
VSWR	1.06:1 Max.	1.12:1 Max.	1.25:1 Max.

TYPICAL PERFORMANCE

NOTES:

- 1). TEST DATA AND SPECIFICATIONS APPLY WHEN MOUNTED IN P3 TEST FIXTURE.
- 2). ALL TEST DATA IS TAKEN AT BASE-PLATED MAINTAINED @25°C USING A CALIBRATED NETWORK ANALYZER.
- 3). TEST FIXTURE DRAWING CAN BE PROVIDED UPON REQUEST.
- 4). A COMPLETE TEST FIXTURE MAY ALSO BE PURCHASED BY CONTACTING: sales@p3-rf.com



Made In USA