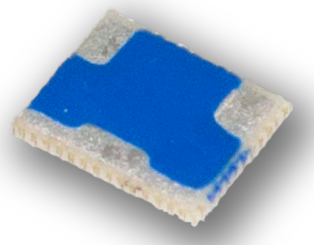




DC - 18.0 GHz.

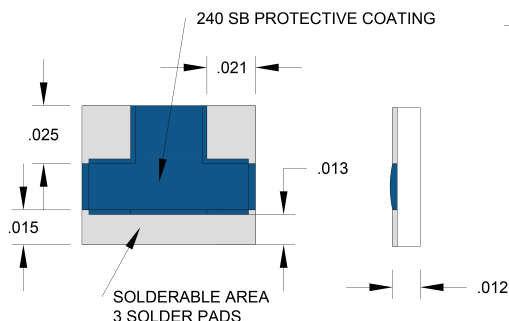
Model: AP7560-XX



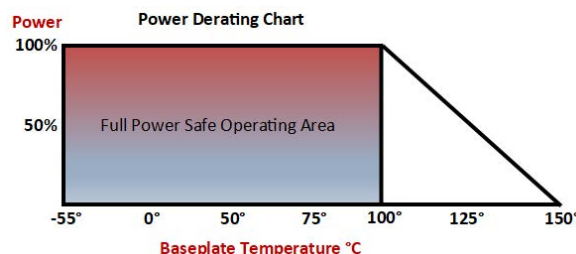
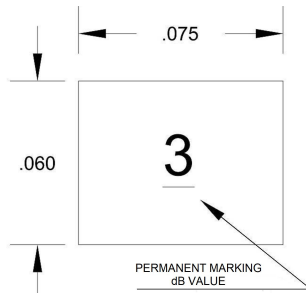
SMT Planar Configuration

HYBR-FILM AP7560 SMT Series attenuators are high performing low cost RF & Microwave resistive film products on the market today. Designed to be epoxied down to a heat-sink for soldering tabs or soldered as a flip-chip SMT device on a printed circuit board, offer excellent frequency stability and reliability. Power rating of 1 watt combined with versatile HYBR-FILM technology allow for easy design-in solutions or replacing older outdated marginal devices that may have degraded or drifted over time.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 Gold metallization for wire-bonding or Solder-Tined. Standard packaging is Bulk in Anti-Static bag. Tape and Reel is also available upon request.

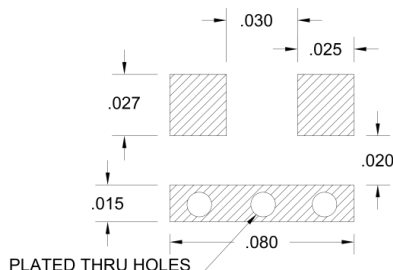
OUTLINE DRAWING



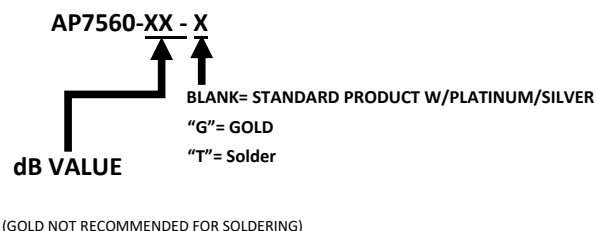
MARKING



MOUNTING FOOTPRINT



PART NUMBERING



ELECTRICAL SPECIFICATION

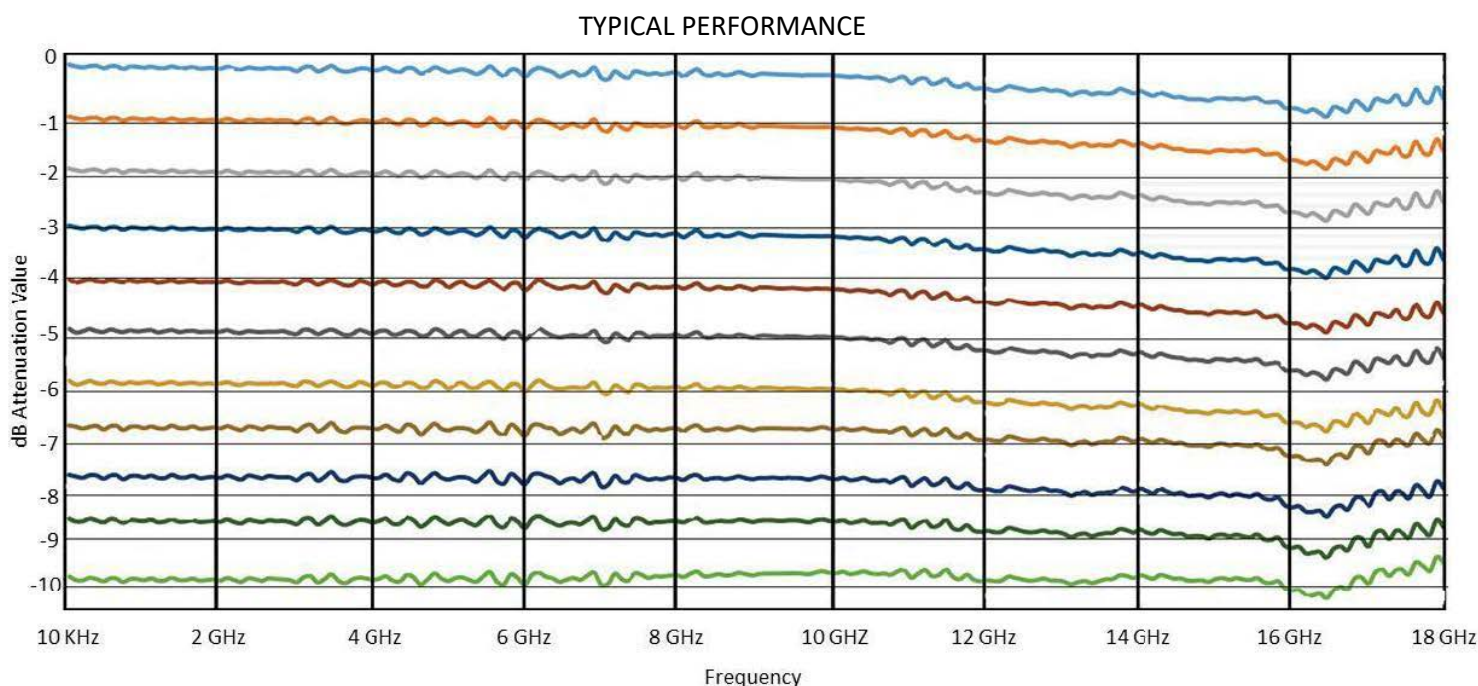
Frequency Range: DC - 18 GHz.
Impedance: 50 Ω
Attenuation: 0 -10 dB (1 dB Increments, See Chart)
Average Power: 0.25 W CW
Peak Power: 1 W (10µs pulse,10% Duty Cycle)
VSWR: See Chart 2nd Page
Operating Temp.: -55° C to +150° C

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 - 5 GHz	5 - 10 GHz	10 - 15 GHz	15 - 18 GHz
0	-0.24	- 0.30	- 0.23	- 0.24
1 - 3	+0.1 to - 0.3	-0.3 to -0.37	- 0.37 to -0.63	-0.63 to -1.0
4 - 6	+ 0.2 to -0.09	-0.9 to -0.40	-0.4 to -1.0	-1.0 to -1.5
7 - 10	+ 0.2 to 0.0	0.0 to -0.30	-0.3 to -0.8	-0.8 to -1.3
VSWR	1.01 to 1.10	1.10 to 1.19	1.19 to 1.45	1.45 to 1.6



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