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PE PASTERNAK
THE ENGINEER'S RF SOURCE

Broadband Amplifiers

All in stock and ready for same-day shipping



| PE P/N | Amplifier Type | "Frequency Band (GHz)" | Gain (dB) | "Gain Variation" +/- (dB) | P1dB (dBm) | P1dB (Watts) | Psat (dBm) | NF (dB) | IP3 (dBm) | DC Power (Volts/mA) | "Mechanical Dimensions" L(in) X W(in) X H(in) | "Connector Type" | ECCN |
|-----------|----------------------|------------------------|-----------|---------------------------|------------|--------------|------------|---------|-----------|---------------------|-----------------------------------------------|------------------|-------|
| PE15A4009 | Broadband | 0.05 - 1 | 26 | 0.75 | 28 | 0.6 | | 5 | 36 | 12/400 | 2.14 x 2.32 x 0.71 | SMA | EAR99 |
| PE15A4017 | Broadband | 0.020 - 3.0 | 27 | 0.75 | 30 | 1 | | | 39 | 12/220 | 2.28 x 2.4 x 1.45 | SMA | EAR99 |
| PE15A4018 | Broadband | 0.030 - 3.0 | 38 | 1 | 30 | 1 | | | 39 | 12/270 | 2.28 x 2.4 x 1.45 | SMA | EAR99 |
| PE15A3004 | Broadband | DC-6 | 12.5 | 0.5 | 27.5 | 0.6 | 31.5 | 6.5 | | 12/300 | 1.0 x 1.55 x 0.48 | SMA | EAR99 |
| PE15A3001 | Broadband | DC-10 | 12.5 | 1 | 27.5 | 0.6 | 30.5 | 6.5 | | 12/300 | 1.0 x 1.55 x 0.48 | SMA | EAR99 |
| PE15A3014 | Broadband | 0.5 - 2 | 30 | 0.6 | 24 | 0.25 | | 2.7 | 34 | 12/240 | 1.9 x 1.5 x 0.5 | SMA | EAR99 |
| PE15A3015 | Broadband | 0.5 - 2 | 46 | 0.8 | 24 | 0.25 | | 2.7 | 34 | 12/300 | 1.38 x 0.9 x 0.5 | SMA | EAR99 |
| PE15A3005 | Broadband | 0.50 - 10 | 32 | 1 | 25 | 0.3 | | 3 | 33 | 12/375 | 1.5 x 1.0 x 0.4 | SMA | EAR99 |
| PE15A3007 | Broadband | 0.10 - 12 | 18 | 1 | 25 | 0.3 | 28 | 3 | 33 | 12/300 | 1.2 x 1.0 x 0.4 | SMA | EAR99 |
| PE15A3008 | Broadband | 0.50 - 18 | 27 | 2.3 | 23 | 0.2 | | 2.5 | 35 | 12/330 | 1.5 x 1.2 x 0.4 | SMA | EAR99 |
| PE15A3255 | Broadband, Low Noise | 0.1 - 18 | 14 | 1.5 | 16 | 0.04 | 18 | 3 | 28 | 12/80 | 1.2 x 1.0 x 0.4 | SMA | EAR99 |
| PE15A3256 | Broadband, Low Noise | 0.1 - 18 | 28 | 2.5 | 16 | 0.04 | 18 | 3 | 28 | 12/160 | 1.5 x 1.0 x 0.4 | SMA | EAR99 |
| PE15A3021 | Broadband | 0.3 - 18 | 37 | 2 | 30.5 | 1.1 | | 3.0 | 42 | 15/850 | 1.9 x 1.5 x 0.5 | SMA | EAR99 |
| PE15A3263 | Broadband, Low Noise | 0.5 - 18 | 33 | 1.5 | 15 | 0.03 | | 5 | | 12/220 | 1.33 x 1.093 x 0.38 | SMA | EAR99 |
| PE15A3264 | Broadband, Low Noise | 0.8 - 5.5 | 20 | 0.5 | 25 | 0.30 | 28 | | 34 | 12/750 | 1.837 x 1.150 x 0.67 | SMA | EAR99 |
| PE15A3262 | Broadband, Low Noise | 1 - 18 | 30 | 1 | 20 | 0.10 | | 3.7 | | 12/240 | 1.6 x 1.0 x 0.378 | SMA | EAR99 |
| PE15A3503 | Broadband, High Gain | 2 - 6 | 44 | 1 | 30 | 1 | | 5 | 39 | 12/1050 | 1.837 x 1.15 x 0.67 | SMA | EAR99 |
| PE15A3504 | Broadband, High Gain | 2 - 6 | 44 | 1 | 33 | 2 | | 5 | 42 | 12/1750 | 2.36 x 1.93 x 0.67 | SMA | EAR99 |
| PE15A4003 | Broadband | 2 - 6 | 32 | 1 | 33 | 2 | | 5 | 42 | 12/1700 | 2.36 x 1.93 x 0.67 | SMA | EAR99 |
| PE15A4005 | Broadband | 2 - 6 | 33 | 1 | 30 | 1 | | 5 | 39 | 12/1000 | 1.837 x 1.15 x 0.67 | SMA | EAR99 |
| PE15A3016 | Broadband | 2 - 8 | 33 | 1.5 | 29.4 | 0.87 | | | | 8.5/941 | 2.15 x 1.55 x 0.36 | SMA | EAR99 |
| PE15A3257 | Broadband, Low Noise | 2 - 18 | 26 | 2 | 14 | 0.025 | | 3 | 24 | 12/140 | 1.5 x 0.85 x 0.375 | SMA | EAR99 |
| PE15A3258 | Broadband, Low Noise | 2 - 18 | 33 | 1.5 | 13 | 0.02 | | 3 | 22 | 12/180 | 1.5 x 1.0 x 0.4 | SMA | EAR99 |
| PE15A3265 | Broadband, Low Noise | 2 - 18 | 33 | 1.5 | 13 | 0.02 | | 3.5 | | 12/180 | 1.333 x 1.093 x 0.38 | SMA | EAR99 |

Broadband Amplifiers

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Continued

| PE P/N | Amplifier Type | "Frequency Band (GHz)" | Gain (dB) | "Gain Variation" +/- (dB) | P1dB (dBm) | P1dB (Watts) | Psat (dBm) | NF (dB) | IP3 (dBm) | DC Power (Volts/mA) | "Mechanical Dimensions" L(in) X W(in) X H(in) | "Connector Type" | ECCN |
|-----------|----------------------|------------------------|-----------|---------------------------|------------|--------------|------------|---------|-----------|----------------------|-----------------------------------------------|------------------|------|
| PE15A3009 | Broadband | 2 - 24 | 12 | 0.75 | 26 | 0.400 | 4.0 | 35 | 12/260 | 1.2 x 1.0 x 0.4 | K | EAR99 | |
| PE15A4001 | Broadband | 6 - 12 | 37 | 1.5 | 32 | 1.6 | 6 | 42 | 12/+2500 | 2.36 x 1.93 x 0.67 | SMA | EAR99 | |
| PE15A4004 | Broadband | 6 - 12 | 38 | 1 | 29 | 0.8 | 5 | 39 | 12/1300 | 2.36 x 1.6 x 0.5 | SMA | EAR99 | |
| PE15A3505 | Broadband, High Gain | 6 - 12 | 48 | 1 | 30 | 1 | 5 | 39 | 12/1350 | 2.36 x 1.55 x 0.5 | SMA | EAR99 | |
| PE15A3506 | Broadband, High Gain | 6 - 12 | 47 | 1.5 | 33 | 2 | 6 | 42 | 12/+2500 | 2.36 x 1.93 x 0.67 | SMA | EAR99 | |
| PE15A3017 | Broadband | 6 - 18 | 36 | 2 | 27 | 0.5 | 3.5 | | 12/800 | 2.083 x 1.093 x 0.38 | SMA | EAR99 | |
| PE15A3018 | Broadband | 6 - 18 | 30 | 1 | 28 | 0.6 | 3.5 | | 12/1300 | 1.86 x 1.15 x 0.42 | SMA | EAR99 | |
| PE15A3019 | Broadband | 6 - 18 | 30 | 1.5 | 30 | 1 | | | 12/1500 | 2.65 x 2.5 x 0.45 | SMA | EAR99 | |
| PE15A3020 | Broadband | 6 - 18 | 42 | 2 | 27 | 0.5 | 5.4 | 37 | 12/900 | 2.083 x 1.093 x 0.38 | SMA | EAR99 | |
| PE15A3259 | Broadband, Low Noise | 6 - 18 | 38 | 2 | 22 | 0.2 | 2.5 | 30 | 12/280 | 1.2 x 1.0 x 0.4 | SMA | EAR99 | |
| PE15A4002 | Broadband | 12 - 18 | 33 | 3.5 | 30 | 1 | 6 | 39 | 12/+2000 | 2.36 x 1.6 x 0.5 | SMA | EAR99 | |
| PE15A3507 | Broadband, High Gain | 12 - 18 | 43 | 3.5 | 30 | 1 | 6 | 39 | 12/+2000 | 2.36 x 1.6 x 0.5 | SMA | EAR99 | |
| PE15A3260 | Broadband, Low Noise | 18 - 26.5 | 40 | 1 | 13 | 0.02 | 2 | 22 | 12/180 | 1.5 x 1.0 x 0.4 | SMA | EAR99 | |
| PE15A3261 | Broadband, Low Noise | 26.5 - 40 | 22 | 0.75 | 14 | 0.025 | 3.5 | 22 | 12/125 | 1.5 x 1.0 x 0.4 | SMA | EAR99 | |

Limiting Amplifiers

All in-stock and available to ship the same day



| PE P/N | Amplifier Type | "Frequency Band (GHz)" | Gain (dB) | "Gain Variation" +/- (dB) | Input Power (dBm) | Psat (dBm) | NF (dB) | DC Power (Volts/mA) | "Mechanical Dimensions" L(in) X W(in) X H(in) | "Connector Type" | ECCN |
|-----------|----------------|------------------------|-----------|---------------------------|-------------------|------------|---------|---------------------|-----------------------------------------------|------------------|-------|
| PE15A6002 | Limiting | 1 - 2 | 60 | 2.5 | -40 to +10 | 19 | 2.5 | 12/250 | 1.602 x 0.66 x 0.38 | SMA | EAR99 |
| PE15A6007 | Limiting | 2 - 6 | 80 | 3.0 | -61 to +10 | 15 | 4 | 12/550 | 1.602 x 0.66 x 0.38 | SMA | EAR99 |
| PE15A6008 | Limiting | 2 - 8 | 40 | 2.0 | -20 to +20 | 19 | 5 | 12/300 | 1.60 x 1.15 x 0.42 | SMA | EAR99 |
| PE15A6012 | Limiting | 6 - 18 | 40 | 2.0 | -20 to +20 | 19 | 4 | 12/300 | 1.85 x 1.15 x 0.42 | SMA | EAR99 |

High Rel Amplifiers

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| PE P/N | Amplifier Type | "Frequency Band (GHz)" | Gain (dB) | "Gain Variation" +/- (dB) | P1dB (dBm) | P1dB (Watts) | Psat (dBm) | NF (dB) | IP3 (dBm) | DC Power (Volts/mA) | "Mechanical Dimensions" L(in) X W(in) X H(in) | "Connector Type" | ECCN |
|-----------|----------------------|------------------------|-----------|---------------------------|------------|--------------|------------|---------|-----------|---------------------|-----------------------------------------------|------------------|-------|
| PE15A1000 | Low Noise | 1 - 2 | 35 | | 10 | 0.01 | 10 | 1.5 | | 13/200 | 1.07 x 1.0 x 0.5 | SMA | EAR99 |
| PE15A1005 | High Gain, Low Noise | 1.2 - 1.4 | 40 | 0.75 | 15 | 0.03 | | 1.5 | | 13.2/250 | 1.083 x 1.168 x 0.382 | SMA | EAR99 |
| PE15A1006 | High Gain, Low Noise | 3.1 - 3.5 | 40 | 0.3 | 15 | 0.03 | 15 | 1.1 | | 15/170 | 1.837 x 1.15 x 0.67 | SMA | EAR99 |
| PE15A1001 | Low Noise | 2 - 4 | 38 | | 13 | 0.02 | 13 | 2 | | 13/250 | 1.583 x 1.093 x 0.382 | SMA | EAR99 |
| PE15A1002 | Low Noise | 4 - 8 | 38 | | 13 | 0.02 | 13 | 2 | | 13/250 | 1.583 x 1.093 x 0.382 | SMA | EAR99 |
| PE15A1003 | Low Noise | 8 - 12 | 38 | | 13 | 0.02 | 13 | 2.2 | | 13/250 | 1.583 x 1.093 x 0.382 | SMA | EAR99 |
| PE15A1004 | Low Noise | 12 - 18 | 38 | | 13 | 0.02 | 13 | 3 | | 13/300 | 1.583 x 1.093 x 0.382 | SMA | EAR99 |
| PE15A3254 | Low Noise | 0.03 - 20 | 15 | 2.5 | 20 | 0.1 | | 3 | | 12/180 | 1.08 x 0.53 x 0.29 | SMA | EAR99 |
| PE15A3253 | Low Noise | 0.5 - 20 | 15 | 1.75 | 20 | 0.1 | | 3 | | 12/180 | 1.08 x 0.53 x 0.29 | SMA | EAR99 |
| PE15A4009 | Broadband | 0.05 - 1 | 26 | 0.75 | 28 | 0.6 | | 5 | 36 | 12/400 | 2.14 x 2.32 x 0.71 | SMA | EAR99 |
| PE15A3255 | Broadband, Low Noise | 0.1 - 18 | 14 | 1.5 | 16 | 0.04 | 18 | 3 | 28 | 12/80 | 1.2 x 1.0 x 0.4 | SMA | EAR99 |
| PE15A3256 | Broadband, Low Noise | 0.1 - 18 | 28 | 2.5 | 16 | 0.04 | 18 | 3 | 28 | 12/160 | 1.5 x 1.0 x 0.4 | SMA | EAR99 |
| PE15A3503 | Broadband, High Gain | 2 - 6 | 44 | 1 | 30 | 1 | | 5 | 39 | 12/1050 | 1.837 x 1.15 x 0.67 | SMA | EAR99 |
| PE15A3504 | Broadband, High Gain | 2 - 6 | 44 | 1 | 33 | 2 | | 5 | 42 | 12/1750 | 2.36 x 1.93 x 0.67 | SMA | EAR99 |
| PE15A4003 | Broadband | 2 - 6 | 32 | 1 | 33 | 2 | | 5 | 42 | 12/1700 | 2.36 x 1.93 x 0.67 | SMA | EAR99 |
| PE15A4005 | Broadband | 2 - 6 | 33 | 1 | 30 | 1 | | 5 | 39 | 12/1000 | 1.837 x 1.15 x 0.67 | SMA | EAR99 |
| PE15A4001 | Broadband | 6 - 12 | 37 | 1.5 | 32 | 1.6 | | 6 | 42 | 12/+2500 | 2.36 x 1.93 x 0.67 | SMA | EAR99 |
| PE15A4004 | Broadband | 6 - 12 | 38 | 1 | 29 | 0.8 | | 5 | 39 | 12/1300 | 2.36 x 1.6 x 0.5 | SMA | EAR99 |
| PE15A3505 | Broadband, High Gain | 6 - 12 | 48 | 1 | 30 | 1 | | 5 | 39 | 12/1350 | 2.36 x 1.55 x 0.5 | SMA | EAR99 |
| PE15A3506 | Broadband, High Gain | 6 - 12 | 47 | 1.5 | 33 | 2 | | 6 | 42 | 12/+2500 | 2.36 x 1.93 x 0.67 | SMA | EAR99 |
| PE15A4002 | Broadband | 12 - 18 | 33 | 3.5 | 30 | 1 | | 6 | 39 | 12/+2000 | 2.36 x 1.6 x 0.5 | SMA | EAR99 |
| PE15A3507 | Broadband, High Gain | 12 - 18 | 43 | 3.5 | 30 | 1 | | 6 | 39 | 12/+2000 | 2.36 x 1.6 x 0.5 | SMA | EAR99 |
| PE15A3262 | Broadband, Low Noise | 1 - 18 | 30 | 1 | 20 | 0.10 | | 3.7 | | 12/240 | 1.6 x 1.0 x 0.378 | SMA | EAR99 |
| PE15A3263 | Broadband, Low Noise | 0.5 - 18 | 33 | 1.5 | 15 | 0.03 | | 5 | | 12/220 | 1.33 x 1.093 x 0.38 | SMA | EAR99 |

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| PE P/N | Amplifier Type | "Frequency Band (GHz)" | Gain (dB) | "Gain Variation" +/- (dB) | P1dB (dBm) | P1dB (Watts) | Psat (dBm) | NF (dB) | IP3 (dBm) | DC Power (Volts/mA) | "Mechanical Dimensions" L(in) X W(in) X H(in) | "Connector Type" | ECCN |
|-----------|-----------------------|------------------------|-----------|---------------------------|------------|--------------|------------|---------|-----------|---------------------|-----------------------------------------------|------------------|-----------|
| PE15A3264 | Broadband, Low Noise | 0.8 - 5.5 | 20 | 0.5 | 25 | 0.30 | 28 | | 34 | 12/750 | 1.837 x 1.150 x 0.67 | SMA | EAR99 |
| PE15A3265 | Broadband, Low Noise | 2 - 18 | 33 | 1.5 | 13 | 0.02 | | 3.5 | | 12/180 | 1.333 x 1.093 x 0.38 | SMA | EAR99 |
| PE15A3014 | Broadband | 0.5 - 2 | 30 | 0.6 | 24 | 0.25 | | 2.7 | 34 | 12/240 | 1.9 x 1.5 x 0.5 | SMA | EAR99 |
| PE15A3015 | Broadband | 0.5 - 2 | 46 | 0.8 | 24 | 0.25 | | 2.7 | 34 | 12/300 | 1.38 x 0.9 x 0.5 | SMA | EAR99 |
| PE15A3016 | Broadband | 2 - 8 | 33 | 1.5 | 29.4 | 0.87 | | | | 8.5/941 | 2.15 x 1.55 x 0.36 | SMA | EAR99 |
| PE15A3017 | Broadband | 6 - 18 | 36 | 2 | 27 | 0.5 | | 3.5 | | 12/800 | 2.083 x 1.093 x 0.38 | SMA | EAR99 |
| PE15A3018 | Broadband | 6 - 18 | 30 | 1 | 28 | 0.6 | | 3.5 | | 12/1300 | 1.86 x 1.15 x 0.42 | SMA | EAR99 |
| PE15A3019 | Broadband | 6 - 18 | 30 | 1.5 | 30 | 1 | | | | 12/1500 | 2.65 x 2.5 x 0.45 | SMA | EAR99 |
| PE15A3020 | Broadband | 6 - 18 | 42 | 2 | 27 | 0.5 | | 5.4 | 37 | 12/900 | 2.083 x 1.093 x 0.38 | SMA | EAR99 |
| PE15A4010 | High Gain, Power | 1.2 - 1.4 | 46 | 0.5 | | | 28 | | | 12/400 | 2.36 x 1.93 x 0.57 | SMA | EAR99 |
| PE15A4007 | Power | 8.0 - 11.0 | 28 | 5 | 32 | 1.6 | 36 | | | 5/+2000 | 1.5 x 1.2 x 0.56 | SMA | EAR99 |
| PE15A4006 | Power | 8.5 - 11 | 30 | 0.75 | 36 | 4 | | 5 | 45 | 12/+4500 | 3.97 x 3.64 x 0.67 | SMA | EAR99 |
| PE15A4008 | High Gain, Power | 8 - 12 | 41 | 1 | 30 | 1 | | 3.5 | | 12/1200 | 2.36 x 2.91 x 0.63 | SMA | EAR99 |
| PE15A5013 | High Power | 0.5 - 2.8 | 37 | 2 | 37 | 5 | | | 52 | 12/1800 | 5.0 x 2.5 x 0.513 | SMA | EAR99 |
| PE15A5001 | High Gain, High Power | 1.2 - 1.4 | 40 | | 40 | 10 | | | | 12/4000 | 3.97 x 3.64 x 0.67 | SMA | EAR99 |
| PE15A5015 | High Power | 1.7 - 2.5 | 11 | 0.5 | 37 | 5 | | | | 12/8000 | 3.75 x 1.9 x 0.493 | SMA | EAR99 |
| PE15A5018 | High Power | 2.3 - 2.7 | 50 | 0.5 | 43 | 20 | | | | 12/6000 | 6.0 x 3.5 x 0.69 | SMA | EAR99 |
| PE15A5002 | High Gain, High Power | 3.1 - 3.5 | 45 | 1.5 | | | 40 | 4 | | 15/5000 | 3.97 x 3.64 x 0.67 | SMA | EAR99 |
| PE15A5003 | High Gain, High Power | 3.1 - 3.5 | 47 | 1.5 | | | | 3.5 | | 12/9000 | 8.0 x 2.84 x 0.63 | SMA | EAR99 |
| PE15A4012 | Power | 3.5 - 7.0 | 26 | 2 | 36.5 | 4.5 | 37.5 | | 45 | 8/1600 | 1.5 x 1.2 x 0.56 | SMA | EAR99 |
| PE15A5014 | Power | 1.7 - 2.2 | 50 | 0.5 | 43 | 20 | | | 60 | 12/6000 | 6.0 x 3.5 x 0.693 | SMA | EAR99 |
| PE15A5016 | Power | 6.4 - 7.7 | 58 | 2 | 43 | 20 | | | | 28/750 | 6.0 x 2.5 x 1.06 | SMA | 3A001.b.4 |
| PE15A5017 | Power | 0.7 - 6.0 | 43 | 2 | 39 | 8 | | | | 28/2000 | 3.75 x 1.75 x 1.06 | SMA | EAR99 |
| PE15A5020 | Power | 0.8 - 2.5 | 40 | 1.5 | 42 | 16 | | | 50 | 12/6000 | 3.75 x 1.75 x 1.06 | SMA | EAR99 |

High Rel Amplifiers

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Continued

| PE P/N | Amplifier Type | "Frequency Band (GHz)" | Gain (dB) | "Gain Variation" +/- (dB) | P1dB (dBm) | P1dB (Watts) | Psat (dBm) | NF (dB) | IP3 (dBm) | DC Power (Volts/mA) | "Mechanical Dimensions" L(in) X W(in) X H(in) | "Connector Type" | ECCN |
|------------|----------------|------------------------|-----------|---------------------------|------------|--------------|------------|---------|-----------|---------------------|-----------------------------------------------|------------------|-------|
| PE15A5022 | Power | 2.2 - 2.7 | 50 | 1.5 | 47 | 50 | 49 | | | 28/11000 | 7.7 x 6.7 x 0.985 | SMA | EAR99 |
| PE15A5023 | Power | 3.1 - 3.5 | 8 | 0.5 | 37 | 5 | | | | 12/800 | 3.75 x 1.9 x 0.493 | SMA | EAR99 |
| PE15A5027 | Power | 0.1 - 6.0 | 60 | 1.25 | | | 40 | 10 | | 28/2200 | 2.5 x 2.75 x 0.45 | SMA | EAR99 |
| PE15A5028 | Power | 0.0015 - 0.230 | 43 | 1.5 | | | 44 | 48 | | 28/5000 | 5.95 x 2.95 x 1.06 | SMA | EAR99 |
| PE15A5031 | Power | 0.020 - 1.0 | 46 | 1.5 | | | 44 | 48 | | 28/5200 | 5.95 x 2.95 x 1.06 | SMA | EAR99 |
| PE15A5035F | Power with Fan | 0.8 - 2.0 | 41 | 1.5 | | | 40.8 | 50 | | 13/5000 | 8.54 x 5.20 x 3.51 | SMA | EAR99 |
| PE15A5034 | Power | 0.8 - 4.2 | 31 | 2 | | | 31.8 | 41 | | 13/800 | 2.97 x 2.16 x 0.59 | SMA | EAR99 |
| PE15A5034F | Power with Fan | 0.8 - 4.2 | 31 | 2 | | | 31.8 | 41 | | 13/1000 | 3.94 x 2.88 x 2.03 | SMA | EAR99 |
| PE15A5025 | Power | 2.0 - 6.0 | 50 | 1.25 | | 50 | | | | 28/6000 | 2.5 x 2.75 x 0.45 | SMA | EAR99 |
| PE15A5008 | High Power | 3.5 - 7.0 | 21 | 2 | 37 | 5 | 39 | | | 14/1200 | 1.5 x 1.2 x 0.56 | SMA | EAR99 |
| PE15A5009 | High Power | 5.5 - 9.5 | 24 | 3 | 37 | 5 | 38 | | | 8/1600 | 1.5 x 1.2 x 0.56 | SMA | EAR99 |

Power Amplifiers

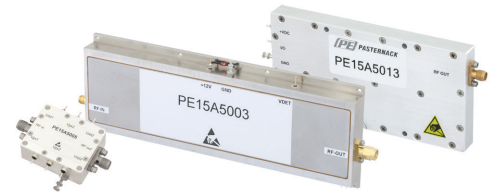
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| PE P/N | Amplifier Type | "Frequency Band (GHz)" | Gain (dB) | "Gain Variation" +/- (dB) | P1dB (dBm) | P1dB (Watts) | Psat (dBm) | NF (dB) | IP3 (dBm) | DC Power (Volts/mA) | "Mechanical Dimensions" L(in) X W(in) X H(in) | "Connector Type" | ECCN |
|-----------|------------------|------------------------|-----------|---------------------------|------------|--------------|------------|---------|-----------|---------------------|-----------------------------------------------|------------------|-------|
| PE15A4017 | Power | 0.02 - 3.0 | 27 | 0.75 | 30 | 1 | | | | 12/800 | 2.08 x 1.08 x 0.50 | SMA | EAR99 |
| PE15A4019 | Power | 0.06 - 6.0 | 36 | 1.5 | 29 | 0.8 | | | 39 | 15/530 | 1.5 x 1.0 x 0.4 | SMA | EAR99 |
| PE15A4016 | Power | 1.0 - 2.0 | 35 | 0.75 | 36 | 4 | | 1.5 | 45 | 12/800 | 2.75 x 1.45 x 0.50 | SMA | EAR99 |
| PE15A4025 | Power | 1.0 - 2.0 | 35 | 0.75 | 33 | 2 | | 1.5 | 45 | 12/800 | 2.75 x 1.45 x 0.50 | SMA | EAR99 |
| PE15A4010 | High Gain, Power | 1.2 - 1.4 | 46 | 0.5 | | | 28 | | | 12/400 | 2.36 x 1.93 x 0.57 | SMA | EAR99 |
| PE15A4007 | Power | 8.0 - 11.0 | 28 | 5 | 32 | 1.6 | 36 | | | 5/+2000 | 1.5 x 1.2 x 0.56 | SMA | EAR99 |
| PE15A4008 | High Gain, Power | 8 - 12 | 41 | 1 | 30 | 1 | | 3.5 | | 12/1200 | 2.36 x 2.91 x 0.63 | SMA | EAR99 |
| PE15A4006 | Power | 8.5 - 11 | 30 | 0.75 | 36 | 4 | | 5 | 45 | 12/+4500 | 3.97 x 3.64 x 0.67 | SMA | EAR99 |
| PE15A4021 | Power | 18 - 26.5 | 33 | 1.25 | 31 | 1.3 | | | 38 | 12/1800 | 1.9 x 1.5 x 0.4 | SMA | EAR99 |

High Power Amplifiers

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| PE P/N | Amplifier Type | "Frequency Band (GHz)" | Gain (dB) | "Gain Variation" +/- (dB) | P1dB (dBm) | P1dB (Watts) | Psat (dBm) | NF (dB) | IP3 (dBm) | DC Power (Volts/mA) | "Mechanical Dimensions" L(in) X W(in) X H(in) | "Connector Type" | ECCN |
|------------|-----------------------|------------------------|-----------|---------------------------|------------|--------------|------------|---------|-----------|---------------------|-----------------------------------------------|------------------|-------|
| PE15A5028 | Power | 0.0015 - 0.230 | 43 | 1.5 | | | 44 | | 48 | 28/5000 | 5.95 x 2.95 x 1.06 | SMA | EAR99 |
| PE15A5031 | Power | 0.020 - 1.0 | 46 | 1.5 | | | 44 | | 48 | 28/5200 | 5.95 x 2.95 x 1.06 | SMA | EAR99 |
| PE15A5027 | Power | 0.1 - 6.0 | 60 | 1.25 | | | 40 | | | 28/2200 | 2.5 x 2.75 x 0.45 | SMA | EAR99 |
| PE15A5013 | High Power | 0.5 - 2.8 | 37 | 2 | 37 | 5 | | | 52 | 12/1800 | 5.0 x 2.5 x 0.513 | SMA | EAR99 |
| PE15A5004 | High Power | 0.7 - 2.2 | 30 | 4 | 38 | 6.3 | 39 | | 39 | 28/600 | 1.5 x 1.2 x 0.56 | SMA | EAR99 |
| PE15A5017 | Power | 0.7 - 6.0 | 43 | 2 | 39 | 8 | | | | 28/2000 | 3.75 x 1.75 x 1.06 | SMA | EAR99 |
| PE15A5035F | Power with Fan | 0.8 - 2.0 | 41 | 1.5 | | | 40.8 | | 50 | 13/5000 | 8.54 x 5.20 x 3.51 | SMA | EAR99 |
| PE15A5020 | Power | 0.8 - 2.5 | 40 | 1.5 | 42 | 16 | | | 50 | 12/6000 | 3.75 x 1.75 x 1.06 | SMA | EAR99 |
| PE15A5034 | Power | 0.8 - 4.2 | 31 | 2 | | | 31.8 | | 41 | 13/800 | 2.97 x 2.16 x 0.59 | SMA | EAR99 |
| PE15A5034F | Power with Fan | 0.8 - 4.2 | 31 | 2 | | | 31.8 | | 41 | 13/1000 | 3.94 x 2.88 x 2.03 | SMA | EAR99 |
| PE15A5001 | High Gain, High Power | 1.2 - 1.4 | 40 | | 40 | 10 | | | | 12/4000 | 3.97 x 3.64 x 0.67 | SMA | EAR99 |
| PE15A5005 | High Power | 1.5 - 3.5 | 21 | 3 | 38 | 6.3 | 39.5 | | 45 | 14/1050 | 1.5 x 1.2 x 0.56 | SMA | EAR99 |
| PE15A5014 | Power | 1.7 - 2.2 | 50 | 0.5 | 43 | 20 | | | 60 | 12/6000 | 6.0 x 3.5 x 0.693 | SMA | EAR99 |
| PE15A5015 | High Power | 1.7 - 2.5 | 11 | 0.5 | 37 | 5 | | | | 12/8000 | 3.75 x 1.9 x 0.493 | SMA | EAR99 |
| PE15A4020 | Power | 17.5 - 21.5 | 40 | 1.5 | 37 | 5 | | | 45 | 12/3500 | 2.6 x 2.0 x 0.5 | SMA | EAR99 |
| PE15A4011 | High Power | 2.0 - 4.4 | 32 | 0.5 | | | 37.5 | | | 8/1400 | 1.5 x 1.2 x 0.56 | SMA | EAR99 |
| PE15A5025 | Power | 2.0 - 6.0 | 50 | 1.25 | | | 50 | | | 28/6000 | 2.5 x 2.75 x 0.45 | SMA | EAR99 |
| PE15A5022 | Power | 2.2 - 2.7 | 50 | 1.5 | 47 | 50 | 49 | | | 28/11000 | 7.7 x 6.7 x 0.985 | SMA | EAR99 |
| PE15A5018 | High Power | 2.3 - 2.7 | 50 | 0.5 | 43 | 20 | | | | 12/6000 | 6.0 x 3.5 x 0.69 | SMA | EAR99 |
| PE15A5006 | High Power | 2.5 - 4.0 | 18 | 1 | 38 | 6.3 | 39 | | 40 | 12/1300 | 1.5 x 1.2 x 0.56 | SMA | EAR99 |
| PE15A5007 | High Power | 2.6 - 4.2 | 20 | 1 | 39 | 8 | 40 | | 50 | 14/1200 | 1.5 x 1.2 x 0.56 | SMA | EAR99 |
| PE15A5002 | High Gain, High Power | 3.1 - 3.5 | 45 | 1.5 | | | 40 | 4 | | 15/5000 | 3.97 x 3.64 x 0.67 | SMA | EAR99 |
| PE15A5003 | High Gain, High Power | 3.1 - 3.5 | 47 | 1.5 | | | | 3.5 | | 12/9000 | 8.0 x 2.84 x 0.63 | SMA | EAR99 |
| PE15A5023 | Power | 3.1 - 3.5 | 8 | 0.5 | 37 | 5 | | | | 12/800 | 3.75 x 1.9 x 0.493 | SMA | EAR99 |

High Power Amplifiers

All in-stock and available to ship the same day



Continued

| PE P/N | Amplifier Type | "Frequency Band (GHz)" | Gain (dB) | "Gain Variation" +/- (dB) | P1dB (dBm) | P1dB (Watts) | Psat (dBm) | NF (dB) | IP3 (dBm) | DC Power (Volts/mA) | "Mechanical Dimensions" L(in) X W(in) X H(in) | "Connector Type" | ECCN |
|-----------|----------------|------------------------|-----------|---------------------------|------------|--------------|------------|---------|-----------|---------------------|-----------------------------------------------|------------------|-----------|
| PE15A5008 | High Power | 3.5 - 7.0 | 21 | 2 | 37 | 5 | 39 | | | 14/1200 | 1.5 x 1.2 x 0.56 | SMA | EAR99 |
| PE15A4012 | Power | 3.5 - 7.0 | 26 | 2 | 36.5 | 4.5 | 37.5 | 45 | 8/1600 | 1.5 x 1.2 x 0.56 | 1.5 x 1.2 x 0.56 | SMA | EAR99 |
| PE15A5009 | High Power | 5.5 - 9.5 | 24 | 3 | 37 | 5 | 38 | | | 8/1600 | 1.5 x 1.2 x 0.56 | SMA | EAR99 |
| PE15A5016 | Power | 6.4 - 7.1 | 58 | 2 | 43 | 20 | | | | 28/750 | 6.0 x 2.5 x 1.06 | SMA | 3A001.b.4 |

Gain Blocks

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| PE P/N | Amplifier Type | "Frequency Band (GHz)" | Gain (dB) | "Gain Variation" +/- (dB) | P1dB (dBm) | P1dB (Watts) | Psat (dBm) | NF (dB) | IP3 (dBm) | DC Power (Volts/mA) | "Mechanical Dimensions" L(in) X W(in) X H(in) | "Connector Type" | ECCN |
|-----------|----------------|------------------------|-----------|---------------------------|------------|--------------|------------|---------|-----------|---------------------|-----------------------------------------------|------------------|-------|
| PE1517 | Gain Block | 0.05 - 1.0 | 22 | 0.75 | 12 | 0.015 | | | | 12/100 | 2.36 x 2.36 x 0.75 | SMA | EAR99 |
| PE1518 | Gain Block | 0.05 - 2.0 | 22 | 1 | 12 | 0.015 | | | | 12/100 | 2.36 x 2.36 x 0.75 | SMA | EAR99 |
| PE1525 | Gain Block | 0.02 - 2.5 | 19 | | 15 | 0.031 | | | | 12/120 | 1.38 x 1.18 x 0.49 | SMA | EAR99 |
| PE1513 | Gain Block | 0.01 - 3.0 | 14 | | 9 | 0.008 | | | | 12/50 | 1.38 x 1.18 x 0.49 | SMA | EAR99 |
| PE1514 | Gain Block | 0.01 - 3.0 | 10 | | 9 | 0.008 | | | | 12/40 | 1.38 x 1.18 x 0.49 | SMA | EAR99 |
| PE1527 | Gain Block | 0.01 - 3.0 | 12 | | 9.7 | 0.009 | | | | 12/40 | 1.38 x 1.18 x 0.50 | SMA | EAR99 |
| PE15A8000 | Gain Block | 0.05 - 4.0 | 26 | 1 | 23 | 0.2 | 5 | 35 | | 12/120 | 2.08 x 1.08 x 0.50 | SMA | EAR99 |
| PE15A8001 | Gain Block | 0.01 - 6.0 | 15 | 1 | 14 | 0.0 | 5 | 26 | | 12/50 | 1.2 x 0.85 x 0.18 | SMA | EAR99 |
| PE1516 | Gain Block | 0.1 - 3.0 | 18 | | 14 | 0.025 | | | | 12/120 | 1.38 x 1.18 x 0.49 | SMA | EAR99 |
| PE1519 | Gain Block | 1 - 4 | 26 | 0.5 | 15 | 0.031 | | | | 12/100 | 2.36 x 2.36 x 0.75 | SMA | EAR99 |
| PE1520 | Gain Block | 2 - 4 | 26 | 0.5 | 15 | 0.031 | | | | 12/100 | 2.36 x 2.36 x 0.75 | SMA | EAR99 |
| PE1524 | Gain Block | 2 - 18 | 23 | 1 | 13 | 0.020 | | | | 12/120 | 1.083 x 1.093 x 0.382 | SMA | EAR99 |
| PE1523 | Gain Block | 6 - 18 | 22 | 1 | 13 | 0.020 | | | | 12/120 | 1.083 x 1.093 x 0.382 | SMA | EAR99 |

Low Noise Amplifiers

All in-stock and available to ship the same day



| PE P/N | Amplifier Type | "Frequency Band (GHz)" | Gain (dB) | "Gain Variation" +/- (dB) | P1dB (dBm) | P1dB (Watts) | Psat (dBm) | NF (dB) | IP3 (dBm) | DC Power (Volts/mA) | "Mechanical Dimensions" L(in) X W(in) X H(in) | "Connector Type" | ECCN | |
|-----------|----------------------|------------------------|-----------|---------------------------|------------|--------------|------------|---------|-----------|---------------------|-----------------------------------------------|------------------|-------|-------|
| PE15A1011 | Low Noise | 0.010 - 1 | 30 | 1 | 17 | 0.05 | | 1 | | 12/110 | 1.5 x 0.85 x 0.375 | SMA | EAR99 | |
| PE15A1012 | High Gain, Low Noise | 0.010 - 1 | 40 | 1.25 | 18 | 0.06 | | 0.8 | | 12/110 | 1.5 x 0.85 x 0.375 | SMA | EAR99 | |
| PE15A1013 | High Gain, Low Noise | 0.010 - 1 | 50 | 1.5 | 18 | 0.06 | | 1 | | 12/130 | 1.5 x 0.85 x 0.375 | SMA | EAR99 | |
| PE15A1014 | Low Noise | 0.05 - 1 | 19 | | | | | 20 | 0.5 | 36 | 12/90 | 1.38 x 1.2 x 0.5 | SMA | EAR99 |
| PE15A1000 | Low Noise | 1 - 2 | 35 | | 10 | 0.01 | 10 | 1.5 | | 13/200 | 1.07 x 1.0 x 0.5 | SMA | EAR99 | |
| PE15A1019 | Low Noise | 1 - 2 | 40 | 1 | 11 | 0.012 | | 0.8 | 25 | 10/120 | 1.5 x 0.85 x 0.38 | SMA | EAR99 | |
| PE15A1005 | High Gain, Low Noise | 1.2 - 1.4 | 40 | 0.75 | 15 | 0.03 | | 1.5 | | 13.2/250 | 1.083 x 1.168 x 0.382 | SMA | EAR99 | |
| PE15A1007 | Low Noise | 9 kHz - 3 | 32 | 1.25 | 16 | 0.04 | | 2.5 | | 12/110 | 1.5 x 0.85 x 0.375 | SMA | EAR99 | |
| PE15A1009 | Low Noise | 0.010 - 3 | 34 | 0.75 | 11 | 0.012 | | 1.4 | | 12/95 | 1.5 x 0.85 x 0.375 | SMA | EAR99 | |
| PE15A1008 | Low Noise | 0.020 - 3 | 25 | | 13 | 0.02 | | 1.6 | | 12/75 | 1.5 x 0.85 x 0.375 | SMA | EAR99 | |
| PE15A1006 | High Gain, Low Noise | 3.1 - 3.5 | 40 | 0.3 | 15 | 0.03 | 15 | 1.1 | | 15/170 | 1.837 x 1.15 x 0.67 | SMA | EAR99 | |
| PE15A1001 | Low Noise | 2 - 4 | 38 | | 13 | 0.02 | 13 | 2 | | 13/250 | 1.583 x 1.093 x 0.382 | SMA | EAR99 | |
| PE15A1010 | High Gain, Low Noise | 2 - 6 | 40 | 1 | 14 | 0.025 | | 0.9 | | 15/90 | 1.5 x 0.85 x 0.375 | SMA | EAR99 | |
| PE15A1002 | Low Noise | 4 - 8 | 38 | | 13 | 0.02 | 13 | 2 | | 13/250 | 1.583 x 1.093 x 0.382 | SMA | EAR99 | |
| PE15A1003 | Low Noise | 8 - 12 | 38 | | 13 | 0.02 | 13 | 2.2 | | 13/250 | 1.583 x 1.093 x 0.382 | SMA | EAR99 | |
| PE15A1004 | Low Noise | 12 - 18 | 38 | | 13 | 0.02 | 13 | 3 | | 13/300 | 1.583 x 1.093 x 0.382 | SMA | EAR99 | |
| PE15A3254 | Low Noise | 0.03 - 20 | 15 | 2.5 | 20 | 0.1 | | 3 | | 12/180 | 1.08 x 0.53 x 0.29 | SMA | EAR99 | |
| PE15A3253 | Low Noise | 0.5 - 20 | 15 | 1.75 | 20 | 0.1 | | 3 | | 12/180 | 1.08 x 0.53 x 0.29 | SMA | EAR99 | |
| PE15A3257 | Broadband, Low Noise | 2 - 18 | 26 | 2 | 14 | 0.025 | | 3 | 24 | 12/140 | 1.5 x 0.85 x 0.375 | SMA | EAR99 | |
| PE15A3258 | Broadband, Low Noise | 2 - 18 | 33 | 1.5 | 13 | 0.02 | | 3 | 22 | 12/180 | 1.5 x 1.0 x 0.4 | SMA | EAR99 | |
| PE15A3259 | Broadband, Low Noise | 6 - 18 | 38 | 2 | 22 | 0.2 | | 2.5 | 30 | 12/280 | 1.2 x 1.0 x 0.4 | SMA | EAR99 | |
| PE15A3255 | Broadband, Low Noise | 0.1 - 18 | 14 | 1.5 | 16 | 0.04 | 18 | 3 | 28 | 12/80 | 1.2 x 1.0 x 0.4 | SMA | EAR99 | |
| PE15A3256 | Broadband, Low Noise | 0.1 - 18 | 28 | 2.5 | 16 | 0.04 | 18 | 3 | 28 | 12/160 | 1.5 x 1.0 x 0.4 | SMA | EAR99 | |
| PE15A3260 | Broadband, Low Noise | 18 - 26.5 | 40 | 1 | 13 | 0.02 | | 2 | 22 | 12/180 | 1.5 x 1.0 x 0.4 | SMA | EAR99 | |



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