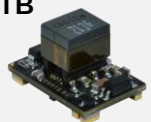
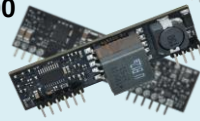
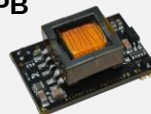
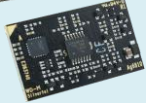
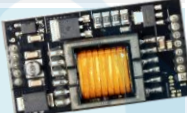


|  www.silvertel.com       |                                                          | Product Family                                                                                         | Part No.                                                                                            | Nominal Output Voltage         | Output Power                                                       | External Components Required                                                                                                                                                                                                           | Benefits                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LOW POWER (POE) PD MODULES                                                                               | Worlds Smallest Isolated POE Powered Device (PD) Modules | <b>Ag9900-LPB</b><br> | <b>Ag9912-LPB</b><br><b>Ag9905-LPB</b><br><b>Ag9903-LPB</b>                                         | 12V<br>5V<br>3.3V              | 10W<br>7W<br>4.9W                                                  | Two Bridge Rectifiers<br>Low Cost Smoothing capacitor                                                                                                                                                                                  | Smallest SMT PD solution. Same pin-out as Ag9900-M/MT but low profile SMT package - Available in Tape & Reel order Ag99XX-LPB-400R.<br>Industrial Temperature Range<br>Over Temperature Protection as standard<br>Class 0 operation<br>SMT package size - 21.7mm (L) x 14.4mm (W) x 8.2mm (H - Seated Height); Auto-placeable |
|                                                                                                          |                                                          | <b>Ag9900-MTB</b><br> | <b>Ag9924-MTB</b><br><b>Ag9912-MTB</b><br><b>Ag9905-MTB</b><br><b>Ag9903-MTB</b>                    | 24V<br>12V<br>5V<br>3.3V       | 12W<br>12W<br>9W<br>6W                                             | Two Bridge Rectifiers<br>Low Cost Smoothing capacitor                                                                                                                                                                                  | Small SMT PD solution. Same pin-out as Ag9900-M/MT but SMT package - Available in Tape & Reel order Ag99XX-MTB-250R.<br>Industrial Temperature Range<br>Over Temperature Protection as standard<br>Class 0 operation<br>SMT package size - 21.7mm (L) x 14.4mm (W) x 13.4mm (H - Seated Height); Auto-placeable               |
|                                                                                                          | Isolated Powered Device (PD) Modules                     | <b>Ag9700</b><br>     | <b>Ag9703</b>                                                                                       | 3.3V                           | 6W                                                                 | -S : 2 bridge rectifiers & low cost smoothing capacitor<br>-2BR : Low cost smoothing cap (Bridge Rectifiers on-board)<br>-FL : Low cost smoothing cap (Bridge Rectifiers on-board)                                                     | -S & -2BR Low cost solution; Pin compatible with Ag9400 & Ag9600 -S & -2BR; Class 0; -20°C to +70°C<br>SIL package - 56mm (L) x 18mm (W) x 14mm (H)<br>-FL Pin Compatible with Ag9000, Programmable Classification; Ind. Temp. Range, Very Low Noise & Ripple, Over-Temp. Protection                                          |
|                                                                                                          |                                                          | <b>Ag97000-FL</b><br> | <b>Ag97024-FL</b><br><b>Ag97012-FL</b><br><b>Ag97005-FL</b>                                         | 24V<br>12V<br>5V               | 12W<br>12W<br>9W                                                   | Low cost smoothing capacitor.                                                                                                                                                                                                          | Low Input Voltage, S/C & Over-Temperature Protection<br>Industrial Temperature Range<br>Very Low Noise & Ripple Output<br>Programmable Classification<br>Pin compatible & suggested replacement for Ag9700-2BR & -FL<br>SIL package - 56mm (L) x 12.5mm (W) x 14mm (H)                                                        |
|                                                                                                          |                                                          | <b>Ag9200</b><br>     | <b>Ag9205</b>                                                                                       | 5V                             | 13W                                                                | Two bridge rectifiers & Low cost smoothing capacitor                                                                                                                                                                                   | High efficiency converter<br>Class programming capability<br>SIL package - 56mm (L) x 18mm (W) x 14mm (H)                                                                                                                                                                                                                     |
|                                                                                                          |                                                          | Worlds Smallest Isolated POE+ Powered Device (PD) Modules                                              | <b>Ag5300</b><br> | <b>Ag5324</b><br><b>Ag5300</b> | 24V<br>12V                                                         | 30W                                                                                                                                                                                                                                    | Two low cost bridge rectifiers<br>One low cost smoothing capacitor                                                                                                                                                                                                                                                            |
| <b>Ag5400</b><br>     | <b>Ag5424</b><br><b>Ag5412</b><br><b>Ag5405</b>          |                                                                                                        | 24V<br>12V<br>5V                                                                                    | 30W<br>(5V variant max.25.5W)  | Two low cost bridge rectifiers<br>One low cost smoothing capacitor | Pin-for-pin Compatible with Ag53XX<br>High Efficiency (>93%) - reduction in wasted power<br>Compliant to IEEE802.3at (IEEE802.3af defaults to class 0)<br>Industrial Temperature Range<br>SIL package - 57mm (L) x 14mm (H) x 18mm (W) |                                                                                                                                                                                                                                                                                                                               |
| <b>Ag5700-LPB</b><br> | <b>Ag5724-LPB</b><br><b>Ag5712-LPB</b>                   |                                                                                                        | 24V<br>12V                                                                                          | 24W (Cont.)<br>30W (Peak)      | Two low cost bridge rectifiers<br>One low cost smoothing capacitor | Smallest POE+ PD Solution<br>24W Continuous Power, 30W Peak Power<br>Industrial Temperature Range<br>Compliant to IEEE802.3at<br>SMT package - 33mm (L) x 22mm (W) x 13mm (H) - 7.3cm <sup>2</sup> Area                                |                                                                                                                                                                                                                                                                                                                               |
|                                                                                                          |                                                          |                                                                                                        |                                                                                                     |                                |                                                                    |                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                               |

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| www.silvertel.com                  |                                                                        | Product Family                                                                             | Part No.                   | Nominal Output Voltage | Output Power              | External Components Required                                                                                                                   | Benefits                                                                                                                                                                                                                                                            |
|------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------|------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HIGHER POWER<br>(POE++) PD MODULES | Isolated 100W PD Module<br>IEEE802.3bt                                 | Ag5800    | Ag5800                     | 12V or 24V             | 85W                       | Two low cost bridge rectifiers<br>Two low cost smoothing capacitors                                                                            | 85W Max, 72W min.; Fixed Type 4 Class 8 PD.<br>Short Circuit and Over temperature protection<br>DIL package - 70mm (L) x 35mm (W) x 19.2mm (H)                                                                                                                      |
|                                    | Isolated 60W PD Module<br>IEEE802.3bt                                  | Ag5810    | Ag5810                     | 12V or 24V             | 60W                       | Two low cost bridge rectifiers<br>Two low cost smoothing capacitors                                                                            | 60W Max.; Fixed Type 4 Class 7 PD<br>DIL package - 70mm (L) x 30mm (W) x 15.6mm (H)                                                                                                                                                                                 |
|                                    | Isolated High Efficiency<br>51W PD Module<br>IEEE802.3bt               | Ag59600   | Ag59612-LPB<br>Ag59624-LPB | 12V or 24V             | 51W (Cont.)<br>60W (Peak) | Two low cost bridge rectifiers.<br>Two low cost smoothing capacitors                                                                           | 60W Peak Power, 51W Continuous Power; Fixed Type 4 Class 6 PD;<br>>93.5% Efficient.<br>Industrial Temp. Range<br>SMT package - 40mm (L) x 25mm (W) x 16.5mm (H)                                                                                                     |
| PSE MODULES                        | PSE Module<br>30W & 60W<br>IEEE802.3af & .at                           | Ag6120    | Ag6120                     | 48V/57V                | 39/74W                    | No external components required.<br>Recommended Fused input.<br>Pin compatible with Ag6100 / 6110.                                             | Compliant to IEEE802.3 af & .at standards<br>Programmable Power Output<br>Industrial temperature range.<br>SIL package - 53mm (L) x 14mm (H) x 8mm (D)                                                                                                              |
|                                    | PSE Module<br>30W & 60W<br>IEEE802.3af & .at                           | Ag6130    | Ag6130                     | 48V/57V                | 39/74W                    | Three external components required, in-line fuse, low cost input capacitor and transzorb.<br>Functionally compatible with Ag6120               | Compliant to IEEE802.3af & .at standards<br>Programmable Power Output.<br>Port "Turn off" feature.<br>Industrial temperature range.<br>SMT package - 21mm (L) x 14mm (W) x 5mm (H)                                                                                  |
|                                    | PSE Module<br>99W IEEE802.3bt                                          | Ag6800    | Ag6800                     | 57V                    | 99W                       | Recommended Fused input.                                                                                                                       | Compliant to IEEE802.3bt.<br>Programmable power output.<br>Over voltage and Over current Protection.<br>DIL package - 51mm (L) x 35mm (W) x 7mm (H)                                                                                                                 |
|                                    | PSE Module 99W<br>IEEE802.3bt                                          | Ag6810    | Ag6810                     | 57V                    | 99W                       | Recommended Fused input.                                                                                                                       | Compliant to IEEE802.3bt.<br>Programmable Power Output.<br>Port "Turn-off" feature.<br>Dual Port Powering upto IEEE802.3at power levels.<br>SMT package - 27mm (L) x 17mm (W) x 5mm (H)                                                                             |
| DC-DC CONVERTER MODULES            | PoL/Buck Converter<br>8V-24V Input; 3V-12.7V Output, 10A, Non-isolated | Ag7010   | Ag7010                     | 3V to 12V              | 120W                      | Two low cost capacitors; one Electrolytic, one Ceramic.<br>Three chip resistors; one for Output Voltage, two for I <sup>2</sup> C programming. | SMT flush-mount providing good thermal, electrical and mechanical connection<br>High current delivery (10A @ 12V)<br>High efficiency converter >97% - low running temperature<br>SMT package - 38mm (L) x 15mm (W) x 7.2mm (H)<br>Machine placeable                 |
|                                    | Boost Converter<br>11V-27V Input; 48V-57V Output                       | Ag7100  | Ag7100                     | 48V to 57V             | 40W                       | One input plus one output low cost smoothing capacitor.<br>Optional output voltage programming resistor (57V Nominal) .                        | Provides up to 40W of power at 48V to 57V for IEEE compliant PSE applications. Wide input range of 11V - 27V DC.<br>IEEE compliant 1.5kV DC impulse isolation input to output.<br>DIL package - 51mm (L) x 30mm (W) x 16mm (H)                                      |
|                                    | Boost Converter<br>5V-15V Input; 36V-57V Output                        | Ag7200  | Ag7200                     | 36V to 57V             | 20W                       | One input plus one output low cost smoothing capacitor.<br>Optional output voltage programming resistor (48V Nominal).                         | Provides up to 20W of power at 36V to 57V for IEEE compliant PSE applications. Wide input range 5V-15V with Short-circuit and Thermal protection.<br>IEEE compliant 1.5kV DC impulse isolation input to output.<br>SIL package - 56mm (L) x 18mm (W) x 14mm (H)     |
|                                    | Boost Converter<br>18V-36V Input; 48V-57V Output                       | Ag7300  | Ag7300                     | 48V to 57V             | 120W                      | One input plus one output low cost smoothing capacitor.<br>Optional output voltage programming resistor (48V Nominal).                         | Provides up to 120W of power at 48V to 57V for IEEE compliant PSE applications. Wide input range 18V - 36V with Short-circuit and Thermal protection.<br>IEEE compliant 1.5kV DC impulse isolation input to output.<br>SMT package - 40mm (L) x 35mm (W) x 17mm (H) |

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