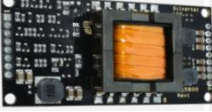


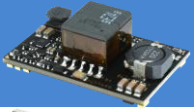


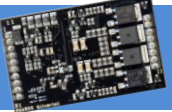



	Product Family	Part No.	Nominal Output Voltage	Output Power	Class	External Components Required	Benefits	
LOW POWER (POE) PD MODULES	Worlds Smallest Isolated POE Powered Device (PD) Modules	 <p>Ag9900-LPB</p>	<p>Ag9912-LPB 12V</p> <p>Ag9905-LPB 5V</p> <p>Ag9903-LPB 3.3V</p>	<p>10W</p> <p>7W</p> <p>4.9W</p>	0	Two Bridge Rectifiers 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. Industrial Temperature Range Over Temperature Protection as standard SMT package size - 21.7mm (L) x 14.4mm (W) x 8.2mm (H - Seated Height); Auto-placeable	
		 <p>Ag9900-MTB</p>	<p>Ag9924-MTB 24V</p> <p>Ag9912-MTB 12V</p> <p>Ag9905-MTB 5V</p> <p>Ag9903-MTB 3.3V</p>	<p>12W</p> <p>12W</p> <p>9W</p> <p>6W</p>	0	Two Bridge Rectifiers 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. Industrial Temperature Range Over Temperature Protection as standard SMT package size - 21.7mm (L) x 14.4mm (W) x 13.4mm (H - Seated Height); Auto-placeable	
	Isolated Powered Device (PD) Modules	 <p>Ag9700</p>	Ag9703	3.3V	6W	0 - Ag9700-S 0 - Ag9700-2BR 0-3 Ag9700-FL	-S : 2 bridge rectifiers & low cost smoothing capacitor '-2BR : Low cost smoothing cap (Bridge Rectifiers on-board) '-FL : Low cost smoothing cap (Bridge Rectifiers on-board)	-S & '-2BR Low cost solution; Pin compatible with Ag9400 & Ag9600 '-S & '-2BR; -20°C to +70°C SIL package - 56mm (L) x 18mm (W) x 14mm (H) '-FL Pin Compatible with Ag9000, Programmable Classification; Ind. Temp. Range, Very Low Noise & Ripple, Over-Temp. Protection
		 <p>Ag97000-FL</p>	<p>Ag97024-FL 24V</p> <p>Ag97012-FL 12V</p> <p>Ag97005-FL 5V</p>	<p>12W</p> <p>12W</p> <p>9W</p>	0-3	Low cost smoothing capacitor.	Low Input Voltage, S/C & Over-Temperature Protection Industrial Temperature Range Very Low Noise & Ripple Output Programmable Classification Pin compatible & suggested replacement for Ag9700-2BR & -FL SIL package - 56mm (L) x 12.5mm (W) x 14mm (H)	
		 <p>Ag9200</p>	<p>Ag9203-S 3.3V</p> <p>Ag9205-S 5V</p>	<p>10W</p> <p>13W</p>	0-3	Two bridge rectifiers & Low cost smoothing capacitor	High efficiency converter (Typ. 88%) Class programming capability SIL package - 56mm (L) x 18mm (W) x 14mm (H)	
	HIGH POWER (POE+) PD MODULES	Worlds Smallest Isolated POE+ Powered Device (PD) Modules	 <p>Ag53000</p>	<p>Ag53024 24V</p> <p>Ag53012 12V</p>	30W	4	Two low cost bridge rectifiers One low cost smoothing capacitor	Compliant to IEEE802.3at Class 4 operation - fully compatible with Ag5300 Typ. 90% Efficient 24W Continuous Power, 30W Peak Power Industrial Temperature Range SIL package - 57mm (L) x 14mm (H) x 18mm (W)
 <p>Ag5400</p>			<p>Ag5424 24V</p> <p>Ag5412 12V</p> <p>Ag5405 5V</p>	<p>30W</p> <p>(5V variant max.25.5W)</p>	4	Two low cost bridge rectifiers One low cost smoothing capacitor	Pin-for-pin Compatible with Ag53XX High Efficiency (>93%) - reduction in wasted power Compliant to IEEE802.3at (IEEE802.3af defaults to class 0) Industrial Temperature Range SIL package - 57mm (L) x 14mm (H) x 18mm (W)	
 <p>Ag5700-LPB</p>			<p>Ag5724-LPB 24V</p> <p>Ag5712-LPB 12V</p>	30W	4	Two low cost bridge rectifiers One low cost smoothing capacitor	Smallest POE+ PD Solution 24W Continuous Power, 30W Peak Power Industrial Temperature Range Compliant to IEEE802.3at SMT package - 33mm (L) x 22mm (W) x 13mm (H) - 7.3cm ² Area	

Silvertel also designs & manufactures a range of power modules for DC-DC Converters, Battery Charge Controllers and Analogue Telecom Interfaces. All Silvertel's modules are cost optimised and manufactured in the UK ensuring the highest quality at competitive pricing. Visit our website at www.silvertel.com

	Product Family	Part No.	Nominal Output Voltage	Max Output Power	Class	External Components Required	Benefits	
HIGHER POWER (POE++) PD MODULES	Isolated 85W Class 8 PD Module IEEE802.3bt	Ag5800 	Ag5800	12V or 24V	85W	8	Two low cost bridge rectifiers Two low cost smoothing capacitors	85W Max.; Fixed Type 4 Class 8 PD Flag Outputs for PSE Type detection Low idle current at low load DIL package - 70.5mm (L) x 34.5mm (W) x 16.5mm (H - seated)
	Isolated High Efficiency 89W Class 8 PD Module IEEE802.3bt	Ag59800-LPB 	Ag59812-LPB Ag59824-LPB	12V 24V	89W	8	Two low cost bridge rectifiers Two low cost smoothing capacitors	89W Max, 72W min.; Fixed Class 8 PD. High Efficiency 95% (@12V Output); 93.8% (@24V Output) Flag Outputs for PSE Type detection Short Circuit and Over temperature protection SMT package - 50mm (L) x 30mm (W) x 15mm (H)
	Isolated 60W Class 7 PD Module IEEE802.3bt	Ag5810 	Ag5810	12V or 24V	60W	7	Two low cost bridge rectifiers Two low cost smoothing capacitors	60W Max.; Fixed Type 4 Class 7 PD Flag Outputs for PSE Type detection Low idle current at low load DIL package - 70mm (L) x 30mm (W) x 14mm (H - seated)
	Isolated High Efficiency 51W Class 6 PD Module IEEE802.3bt	Ag59600-LPB 	Ag59612-LPB Ag59624-LPB	12V 24V	60W	6	Two low cost bridge rectifiers. Two low cost smoothing capacitors	60W Peak Power, 51W Continuous Power; Fixed Type 4 PD; >93.5% Efficient. Industrial Temp. Range SMT package - 40mm (L) x 25mm (W) x 16.5mm (H)
	Non-isolated Class 0-8 Front-end PD Module IEEE802.3bt	Ag59FE 	Ag59FE	48V-57V	85W	0-8	DC-DC Buck Converter to convert from Line Voltage to derived voltage.	Feed through upto 85W, non-isolated Line Voltage. Can be Surface Mount or fitted through PCB as a SIL module. Dimensions :- 35mm (L) x 14.5mm (H) x 3mm (D)
PSE MODULES	PSE Module 30W & 60W IEEE802.3af & .at	Ag6120 	Ag6120	48V/57V	39/74W	0-4	No external components required. Recommended Fused input. Pin compatible with Ag6100 / 6110.	Compliant to IEEE802.3af & .at standards Programmable Power Output Industrial temperature range. SIL package - 53mm (L) x 14mm (H) x 8mm (D)
	PSE Module 30W & 60W IEEE802.3af & .at	Ag6130 	Ag6130	48V/57V	39/74W	0-4	Three external components required, in-line fuse, low cost input capacitor and transzorb. Functionally compatible with Ag6120	Compliant to IEEE802.3af & .at standards Programmable Power Output. Port "Turn off" feature. Industrial temperature range. SMT package - 21mm (L) x 14mm (W) x 5mm (H)
	PSE Module 99W IEEE802.3bt	Ag6800 	Ag6800	57V	99W	0-8	Recommended Fused input.	Compliant to IEEE802.3bt. Programmable power output. Over Voltage and Over current Protection. DIL package - 51mm (L) x 35mm (W) x 7mm (H)
	PSE Module 99W IEEE802.3bt	Ag6810 	Ag6810	57V	99W	0-8	Recommended Fused input.	Compliant to IEEE802.3bt. Programmable Power Output. Port "Turn-off" feature. Dual Port Powering upto IEEE802.3at power levels. SMT package - 27mm (L) x 17mm (W) x 5mm (H)

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