

PKA 2000 Series - EriPower™ 25-40 Watt DC/DC power modules

- Efficiency 80-85%
- MTBF > 2,000,000 hours at +75 °C case temperature
- Single, dual and triple outputs
- No derating within -45 °C to +85 °C ambient and max. +115 °C case temperature
- Complete - no extra filters or heatsinks required



76.0 x 76.0 x 17.8 mm (2.99 x 2.99 x 0.7 inch)

The 25-40 watts PKA series DC/DC power modules are designed for decentralized 24/28 V DC systems with distributed on-board DC/DC converters. By using thick-film technology, which provides a high degree of integration as well as efficient thermal management, and by using a 300 kHz switching frequency based on proprietary drive and control chips, these highly reliable products comply to demanding applications within e.g. cellular radio, medical, industrial and airborne industry.

Input to output isolation is 500 Vdc on the PI versions, while the P versions' outputs are non-isolated but floating, i.e. single output versions can

be connected either positive or negative potential related to 0 V. Mechanical ruggedness, in conformance with IEC 68-2, is close to requirements for discrete components. Extreme temperature conditions can be met since the converters can operate with full output power in ambient temperatures ranging from -45 to +85 °C or up to +115 °C case temperature, making the products ideal also for applications in environments without temperature control.

V _i	V _o /I _o max			P _o max	Non-isolated On-card	Isolated On-card	Isolated Off-card
	O/P 1	O/P 2	O/P 3				
19-35Vdc	5V/5A			25 W	PKA 2212P	PKA 2211PI	PKA2211CI
19-35Vdc	5V/8A			40 W		PKA 2411PIL	
19-35Vdc	12V/2A	12V/2A		30 W		PKA 2323PI	PKA2323CI
19-35Vdc	15V/1.6A	15V/1.6A		30 W		PKA 2325PI	PKA2325CI
19-35Vdc	+5V/5A	+12V/1A	-12V/1A	25 W	PKA2231P	PKA2231PI	PKA2231CI
19-35Vdc	+5V/5A	+15V/1A	-15V/0.8A	25 W	PKA2232P	PKA2232PI	PKA2232CI
19-35Vdc	+5V/8A	+15V/2A	-15V/2A	40 W		PKA2432PIL	

