

## Industrial Product Brief 2011

# Industrial Products

## Solutions for Inverters and Converters

Seven business groups for both TDK and EPCOS brand products, organized according to product categories.

### Magnetics

- Ferrites
- Transformers
- Power Inductors
- Signal Use Inductors
- Multilayer Inductors
- Signal EMC Filters
- Power EMC Filters
- EMC and RF Engineering

### Film Capacitors

- DC Capacitors
- AC Capacitors
- Power Electronic Capacitors
- Power Factor Correction
- Power Quality Solutions

### Sensors

- NTC Sensors
- Pressure Sensors
- Applied Sensors

### Aluminum Electrolytic Capacitors

- Aluminum Electrolytic Capacitors

### Ceramic Capacitors

- General and Small Capacitors
- High Capacitance Capacitors
- Applied Products
- Dielectric Materials and Products

### Protection Devices


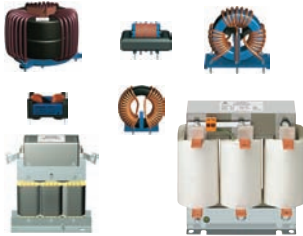


- Piezo
- Inrush Current Limiters
- PTC
- Thermistors
- Disk Varistors
- Multilayer Varistors
- Surge Arresters

### SAW and BAW Filter Products

- Multilayer Modules
- MEMS Products
- Multilayer HF Components
- Dielectric Components
- Isolators and Circulators

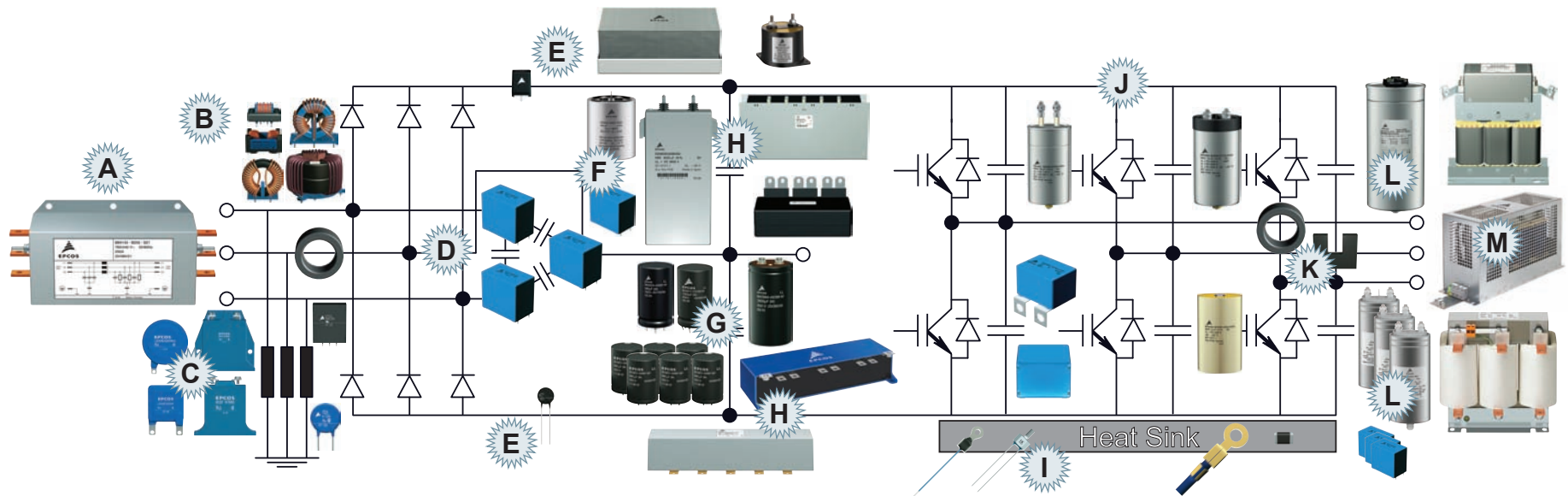


	Series	Attribute	Voltage	Other	
<b>DC Link (Aluminum Electrolytic)</b>					
Snap-In	B435xx	47 - 2200 $\mu$ F	160 - 500DC	2000 - 10000h 85C - 105C	
Screw Terminal	B434xx	1000 - 18000 $\mu$ F	350 - 450DC	5000 - 12000h 85C	
Screw Terminal	B437x0	560 - 18000 $\mu$ F	350 - 450DC	6000 - 8000h 105C	
Screw Terminal	B435x4	1000 - 18000 $\mu$ F	200 - 500DC	15000h 85C	
<b>DC Link (Film Capacitor)</b>					
Box, Radial Lead (MKP)	B3277x	1.5 - 110 $\mu$ F	450 - 1300DC	to 20A	
Round Plastic, LSI Type (MKP)	B2563x	50 - 280 $\mu$ F	600 - 1200DC	to 65A	
Round Can, Terminal (MKP)	B2562x	30 - 1500 $\mu$ F	880 - 1980DC	to 80A	
PCC - LP, Custom, Rectangle, Terminal / IGBT Lead	B25655x	to 1500 $\mu$ F	to 900DC	-	
PCC - HP, Custom, Rectangle, Terminal Lead	B25655A	to 6950 $\mu$ F	> 900DC	-	
MKK, Custom, Rectangle, High Power Terminal	B25650	to 30000 $\mu$ F	to 6000DC	-	
<b>AC Film Capacitors</b>					
X2 Box, Radial Lead	B3292xE/F	2.2 - 45 $\mu$ F	305AC	IEC / UL / CSA	
Box, Radial Lead (MKP)	B3279x	0.82 - 75 $\mu$ F	250 - 400AC	to 25A	
Round Can, Resin Filled, Safety Disrupter, Terminal	B3236x	3 - 600 $\mu$ F	350 - 680AC	to 50A	
Round Can, Oil Filled, Safety Disrupter, Terminal (MKP)	B25360	10 - 150 $\mu$ F	550 - 1000AC	to 60A	
Round Can, Oil Filled, Safety Disrupter, Terminal (MKV)	B25834	3.3 - 220 $\mu$ F	500 - 2100AC	to 80A	

<b>PFC Delta Capacitor</b>					
Round Can, Terminal Block	B2566x (7/8)	to 33μF	230 - 800AC	5 - 36kvar	
<b>Snubber Capacitor</b>					
Box, IGBT Mount Leads	B32656S	0.047 - 3.3μF	850 - 2000DC	to 110C	
<b>Inductor / Reactor</b>					
Power Line, Double Chokes	B82733	10 - 100mH	250AC	to 2.3A	
AC Power Line Choke, Filtering	B8272x (5/6)	0.19 - 7.8mH	250 - 440AC	to 54A	
Custom Single and Three Phase Power Reactors	B86 (inquire)	0.017 - 6.0mH	400AC	to 1500A	
<b>Filter</b>					
Three Phase, Enclosed Case	B84143A*R105	8 - 150A	520AC	-	
Three Phase, Enclosed Case	B84143A*S08x	180 - 1600A	520 / 760AC	-	
SineFormer™	B84143A*R127	6 - 35A	440AC	-	
<b>Over Voltage Protection</b>					
MOV : Disk, Radial Lead	B722xxS (14/20/25)	to 20kA	to 1100V	-	
MOV : Strap, Terminal	B722xxL (40,50)	to 75kA	to 750V	-	
MOV : Block, Terminal	B722xxB (32/40/60/80)	to 100kA	to 1100V	-	
<b>Sensing Devices</b>					
NTC : Surface Contact Temperature	B57703	5,10,30kΩ	-	-	

<b>Power Guide</b>	<b>~ 10kW</b>	<b>~ 100kW</b>	<b>~ 1MW</b>
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# Solutions for Inverters / Converters



- A: Input EMC Filter
- B: Common Mode Choke or Ferrite Filtering
- C: Varistors (leaded, strap & block)
- D: X Capacitors, Y Capacitors filtering
- E: PTC or NTC Inrush Current Limiter
- F: DC Link Film Capacitors
- G: DC Link AI Snap-in or Screw Terminal

- H: Custom DC Link Film, PCC, MKV, or MKK
- I: Temperature sensors (NTC or switching PTC)
- J: Snubbing or commutating capacitors
- K: Ferrite Cores (Ring, E, I, U, other)
- L: AC Filtering Capacitors (can or box)
- M: Output filter (SineFormer, Sine-wave, line reactor)