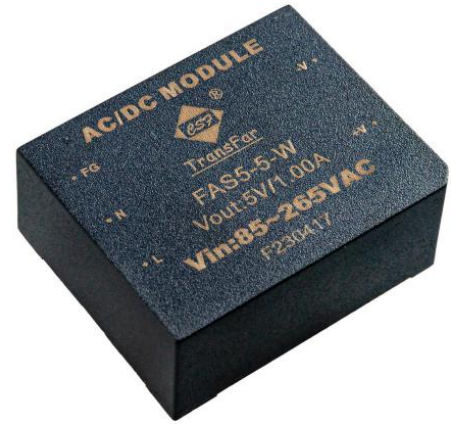


FAS2.5~30W single channel series

Typical performance

- Single output mode
- Total output power 2.5~30W
- Output voltage 3.3~48V
- Input voltage range 85~265VAC
- High isolation voltage 2500VAC(3000VAC or 4000VAC according to customer requirements)
- Horizontal mounting
- Switching frequency 60kHz



Input characteristic

| | | |
|---------------------|-----------|------------|
| Input voltage range | 85~265VAC | 100~360VDC |
|---------------------|-----------|------------|

Output characteristic

| | |
|-------------------------|---|
| Output voltage accuracy | Nominal output voltage $\pm 2\%$ |
| Load effect | 10%~100% I _{on} change time $\Delta V_{outnom} \leq \pm 0.5\%$ |
| Source effect | V _{inmin} ~V _{inmax} change time $\Delta V_{outnom} \leq \pm 0.2\%$ |
| Ripple noise | $\leq 1\%$ V _{outnom} (max) |
| Conversion efficiency | See product selection table |
| Temperature coefficient | $\leq \pm 0.02\%/^{\circ}\text{C}$ (Maximum value) |

General characteristic

| | |
|----------------------------|--|
| Isolation voltage | V _{in} ~V _{out} Between them is 2500VAC/min(3000VAC or 4000VAC can be achieved according to customer requirements) |
| Insulation resistance | $\geq 100\text{M}\Omega$ |
| Mean time between failures | $\geq 5 \times 10^5\text{h}$ |
| Protection function | Short-circuit protection (self-recovery), overheat protection (self-recovery) |
| Operating temperature | -25~+55 °C full load / +55~+85 °C derated use (-40 ~+60 °C can be achieved according to customer requirements) |
| Storage temperature | -55~+125°C |
| Relative humidity | 10RH-90RH |
| Cooling mode | Natural cooling |

■ Selection list

| Model number | Input voltage range Vac/Vdc | Output voltage/current (V) / (A) | Maximum capacitive load (μ F) | Typical efficiency (%) |
|--------------|--------------------------------|--|--|------------------------------|
| FAS10-5-N | 165V-265V/200V-360V | 5/2.00 | | 75 |
| FAS10-12-N | 165V-265V/200V-360V | 12/0.85 | | 80 |
| FAS10-15-N | 165V-265V/200V-360V | 15/0.70 | | 80 |
| FAS10-24-N | 165V-265V/200V-360V | 24/0.64 | | 80 |
| FAS15-5-N | 165V-265V/200V-360V | 5/3.00 | | 75 |
| FAS15-12-N | 165V-265V/200V-360V | 12/1.25 | | 80 |
| FAS15-15-N | 165V-265V/200V-360V | 15/1.00 | | 80 |
| FAS15-24-N | 165V-265V/200V-360V | 24/0.64 | | 80 |
| FAS20-5-N | 165V-265V/200V-360V | 5/4.00 | | 75 |
| FAS20-12-N | 165V-265V/200V-360V | 12/1.66 | | 80 |
| FAS20-15-N | 165V-265V/200V-360V | 15/1.34 | | 80 |
| FAS20-24-N | 165V-265V/200V-360V | 24/1.25 | | 80 |
| FAS30-5-W | 85V-264V/100V-370V | 5/6.00 | | 75 |
| FAS30-12-W | 85V-264V/100V-370V | 12/2.50 | | 80 |
| FAS30-15-W | 85V-264V/100V-370V | 15/2.00 | | 80 |
| FAS30-24-W | 85V-264V/100V-370V | 24/1.25 | | 80 |
| FAS3-5-W | 85V-265V/100V-360V | 5/0.50 | | 70 |
| FAS3-12-W | 85V-265V/100V-360V | 12/0.22 | | 75 |
| FAS3-15-W | 85V-265V/100V-360V | 15/0.17 | | 75 |
| FAS3-24-W | 85V-265V/100V-360V | 24/0.11 | | 75 |
| FAS5-5-W | 85V-265V/100V-360V | 5/1.00 | | 75 |
| FAS5-12-W | 85V-265V/100V-360V | 12/0.45 | | 80 |
| FAS5-15-W | 85V-265V/100V-360V | 15/0.35 | | 80 |
| FAS5-24-W | 85V-265V/100V-360V | 24/0.22 | | 80 |
| FAS10-5-W | 85V-265V/100V-360V | 5/2.00 | | 75 |
| FAS10-12-W | 85V-265V/100V-360V | 12/0.85 | | 80 |
| FAS10-15-W | 85V-265V/100V-360V | 15/0.70 | | 80 |
| FAS10-24-W | 85V-265V/100V-360V | 24/0.42 | | 80 |
| FAS15-5-W | 85V-265V/100V-360V | 5/3.00 | | 75 |
| FAS15-12-W | 85V-265V/100V-360V | 12/1.25 | | 80 |
| FAS15-15-W | 85V-265V/100V-360V | 15/1.00 | | 80 |
| FAS15-24-W | 85V-265V/100V-360V | 24/0.64 | | 80 |
| FAS20-5-W | 85V-265V/100V-360V | 5/4.00 | | 75 |
| FAS20-12-W | 85V-265V/100V-360V | 12/1.66 | | 80 |
| FAS20-15-W | 85V-265V/100V-360V | 15/1.34 | | 80 |
| FAS20-24-W | 85V-265V/100V-360V | 24/0.88 | | 80 |