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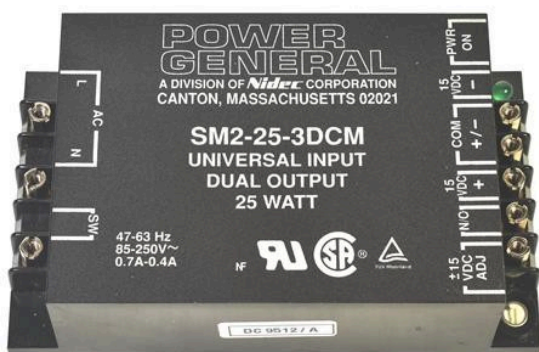
Data Sheet

August 15, 2026

AULT KOREA / POWER GENERAL

Ault Korea / Power General SM2-25-3DCM Switching Power Supply Modules

The SM2-25-3DCM is a switching power supply module manufactured by Ault Korea and Power General. It is designed to convert AC or DC voltage to a regulated DC voltage suitable for powering electronic devices and systems. This module features a compact design and is ideal for various applications requiring a reliable and efficient power source.

**MODEL****Ault Korea / Power General SM2-25-3DCM****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****SM2-25-3DCM****LISTING**<https://aumictechlabs.com/products/sm2-25-3dcm-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ault Korea / Power General SM2-25-3DCM is a 25W switching power supply module engineered for industrial and embedded systems requiring universal input compatibility. It accepts both AC (85–265 VAC, 47–440 Hz) and DC (118–370 VDC) sources, eliminating the need for separate input conditioning. The module employs a flyback converter topology with current-mode control operating at a fixed 65 kHz switching frequency, delivering 60% minimum efficiency under full-load conditions at 115 VAC or 230 VAC input. Technical Specifications Output Power: 25W maximum Input Voltage Range: 85–265 VAC (single phase) or 118–370 VDC Input Line Frequency: 47–440 Hz Switching Frequency: 65 kHz (fixed) Efficiency: 60% minimum at full load (115 VAC or

230 VAC) Hold-Up Time: 16 ms minimum (115 VAC, nominal load); 32 ms minimum (230 VAC, nominal load) Output Voltage Adjustment: Primary output $\pm 3\%$; auxiliary outputs fixed on chassis-mount models Line Regulation: Typically 0.1% (single outputs, 85–265 VAC at nominal load) Load Regulation: Typically 0.4% (single outputs) Cross-Regulation: Typically 0.1% (triple output models, V2 and V3 relative to V1) Output Noise/Ripple/Spike: 1% peak-to-peak maximum Electrical Isolation (Hi-Pot): 5300 VDC input-to-output for 1 minute Operating Temperature: -20°C to $+70^{\circ}\text{C}$ Temperature Coefficient: $\pm 0.05^{\circ}\text{C}$ over full operating range Relative Humidity: 0–95% non-condensing Altitude: 0–10,000 feet Key Features Soft-start circuit prevents output overshoot and transformer saturation at power-on Continuous short-circuit protection on output Over-voltage protection set at 120% of rated primary output voltage Power-limit overload protection circuit Input line fuse protection Convection cooling; no forced-air requirement Power de-rating 2% per $^{\circ}\text{C}$ from $+50^{\circ}\text{C}$ to $+70^{\circ}\text{C}$ Typical Applications Industrial control systems, telecom equipment, medical devices, and panel-mount power conversion where wide universal input tolerance and compact form factor are essential. Compatibility & Integration The module integrates into systems requiring 5300 VDC isolation between input and output stages. Dual-output variants allow simultaneous adjustment of both primary and secondary outputs ($\pm 3\%$).

SM2253DCM Characteristics / Specifications

PARAMETER	VALUE
Model	SM2-25-3DCM
Instrument Type	Dual output chassis mount AC-DC module
Continuous Power	25 W maximum
Input Voltage Ac	85 to 265 Vac single phase
Input Voltage Dc	118 to 370 Vdc
Input Frequency	47 to 440 Hz
Output V	minus 15 V, 0.00 A min, 0.80 A nom, 1.60 A max
Voltage Tolerance	2.0 percent
Line Regulation	0.5 percent (85 to 265 Vac, nominal load)
Load Regulation	2.0 percent
Cross Regulation V	2.0 percent
Efficiency	60 percent minimum at 115 or 230 Vac full load
Hold Up Time	16 ms at 115 Vac, 32 ms at 230 Vac, minimum, nominal load
Ripple Noise	1 percent peak to peak maximum (20 MHz, 0.1 uF)
Switching Frequency	65 kHz fixed
Topology	flyback with current mode control
Hi Pot Isolation	5300 Vdc input to output for one minute
Overvoltage Protection	typically 120 percent of rated V1; for plus/minus 15 V, 120 percent of 2V1 or minus 2V2
External Fuse	2 A / 250 V slow blow optional
Operating Temperature	minus 20 C to plus 70 C
Power Derating	2 percent perCfrom plus 50 C to plus 70 C
Temperature Coefficient	plus or minus 0.05 percent perCHumidity: 0 to 95 percent RH noncondensing
Altitude	0 to 10000 feet
Storage Temperature	minus 40 C to plus 85 C

PARAMETER	VALUE
Mtbf	greater than 165000 hours MIL-HDBK-217F ground benign TA plus 25 C
Safety Files	UL1950 E140439, CSA LR52335, EN60950/IEC950 TUV R0097573
Package	chassis mount dual output
Manufacturer	Ault Korea Power General (Nidec Power General)
Literature	Power General Switching Power Supply Modules SM1-25/SM2-25/SM3-25 datasheet
Family	Power General SM2-25 dual 25 W modules
Form Factor	chassis mount enclosed module
System Role	plus/minus 15 V 25 W converter
Humidity	0 to 95 percent RH noncondensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 C to plus 85 C
Operating temperature	minus 20 C to plus 70 C
Operating Temperature	minus 20 C to plus 70 C
Humidity	0 to 95 percent RH noncondensing
Power Derating	2 percent perCfrom plus 50 C to plus 70 C
Temperature Coefficient	plus or minus 0.05 percent perCHumidity: 0 to 95 percent RH noncondensing
Altitude	0 to 10000 feet
Mtbf	greater than 165000 hours MIL-HDBK-217F ground benign TA plus 25 C
Safety Files	UL1950 E140439, CSA LR52335, EN60950/IEC950 TUV R0097573
Package	chassis mount dual output
Manufacturer	Ault Korea Power General (Nidec Power General)
Literature	Power General Switching Power Supply Modules SM1-25/SM2-25/SM3-25 datasheet
Family	Power General SM2-25 dual 25 W modules
Form Factor	chassis mount enclosed module
System Role	plus/minus 15 V 25 W converter Notes Numeric rows from the Power General SM1/SM2/SM3-25 datasheet SM2-25-3DCM row (plus/minus 15 V 0.80 A nom / 1.60 A max, 25 W, 85 to 265 Vac, 16/32 ms hold-up, 65 kHz, 5300 Vdc hi-pot, 165000 h MTBF). Pinout and mechanical inches are on the same chassis-mount pages.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	SM2-25-3DCM
Instrument Type	Dual output chassis mount AC-DC module
Continuous Power	25 W maximum
Input Voltage Ac	85 to 265 Vac single phase
Input Voltage Dc	118 to 370 Vdc
Input Frequency	47 to 440 Hz
Output V1	plus 15 V, 0.00 A min, 0.80 A nom, 1.60 A max
Output V2	minus 15 V, 0.00 A min, 0.80 A nom, 1.60 A max
Voltage Tolerance	2.0 percent
Line Regulation	0.5 percent (85 to 265 Vac, nominal load)
Load Regulation	2.0 percent
Cross Regulation V2	2.0 percent
Efficiency	60 percent minimum at 115 or 230 Vac full load
Hold Up Time	16 ms at 115 Vac, 32 ms at 230 Vac, minimum, nominal load
Ripple Noise	1 percent peak to peak maximum (20 MHz, 0.1 uF)
Switching Frequency	65 kHz fixed
Topology	flyback with current mode control
Hi Pot Isolation	5300 Vdc input to output for one minute
Overvoltage Protection	typically 120 percent of rated V1; for plus/minus 15 V, 120 percent of 2V1 or minus 2V2
External Fuse	2 A / 250 V slow blow optional
Operating Temperature	minus 20 C to plus 70 C
Power Derating	2 percent perCfrom plus 50 C to plus 70 C
Temperature Coefficient	plus or minus 0.05 percent perCHumidity: 0 to 95 percent RH noncondensing
Altitude	0 to 10000 feet
Storage Temperature	minus 40 C to plus 85 C

PARAMETER	VALUE
Mtbf	greater than 165000 hours MIL-HDBK-217F ground benign TA plus 25 C
Safety Files	UL1950 E140439, CSA LR52335, EN60950/IEC950 TUV R0097573
Package	chassis mount dual output
Manufacturer	Ault Korea Power General (Nidec Power General)
Literature	Power General Switching Power Supply Modules SM1-25/SM2-25/SM3-25 datasheet
Family	Power General SM2-25 dual 25 W modules
Form Factor	chassis mount enclosed module
System Role	plus/minus 15 V 25 W converter

Notes

Numeric rows from the Power General SM1/SM2/SM3-25 datasheet SM2-25-3DCM row (plus/minus 15 V 0.80 A nom / 1.60 A max, 25 W, 85 to 265 Vac, 16/32 ms hold-up, 65 kHz, 5300 Vdc hi-pot, 165000 h MTBF). Pinout and mechanical inches are on the same chassis-mount pages.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

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NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.