

Ven10 Enterprises

MOSFET & Transistor Component Reference Sheet

This reference sheet compiles standard electrical specifications for the MOSFET and transistor components listed below, for use in product listings, quotations, and internal documentation.

Important note on accuracy: Ratings for most parts below follow the common industry part-numbering convention used on generic/OEM power semiconductors (first number group = approximate max current in Amps, second number group = approximate max drain/collector voltage in Volts, e.g. "40N60" = 40A / 600V). This convention is widely used but is **not guaranteed by every manufacturer**. Two parts in this batch (100E60 and 3878) have ambiguous or non-standard codes and their ratings could not be reliably confirmed — these are marked accordingly. Before finalizing any product listing or using these parts in a customer-facing repair, please verify against the physical marking on the component and, where possible, the manufacturer's official datasheet.

Summary Table

Part No.	Type	Max Current	Max Voltage	SKU
40N60	N-Channel Power MOSFET	40 A	600 V	VEN-MOS-40N60-001
60N65	N-Channel Power MOSFET	60 A	650 V	VEN-MOS-60N65-001
5N100	N-Channel Power MOSFET	5 A	1000 V	VEN-MOS-5N100-001
8050	NPN Transistor	~0.5 A	25 V	VEN-TRN-8050-001
8550	PNP Transistor	~0.5 A	-25 V	VEN-TRN-8550-001
75N60	N-Channel Power MOSFET	75 A	600 V	VEN-MOS-75N60-001
30N60	N-Channel Power MOSFET	30 A	600 V	VEN-MOS-30N60-001
20N50	N-Channel Power MOSFET	20 A	500 V	VEN-MOS-20N50-001
9N90	N-Channel Power MOSFET	9 A	900 V	VEN-MOS-9N90-001
11N90	N-Channel Power MOSFET	11 A	900 V	VEN-MOS-11N90-001
100E60	Power MOSFET	Unconfirmed	Unconfirmed	VEN-MOS-100E60-001
40T120	Power MOSFET / IGBT	40 A	1200 V	VEN-IGBT-40T120-001
3878	Transistor / MOSFET	Unconfirmed	Unconfirmed	VEN-TRN-3878-001

Individual Component Details

40N60 — N-Channel Power MOSFET

Part Number	40N60
Type	N-Channel Power MOSFET
Max Current	40 A
Max Voltage	600 V
Package	TO-220 / TO-247 / TO-3P (verify on receipt)
Typical Applications	Inverters, Spot Welding Machines, SMPS, Motor Drives, Power Supply Repair
SKU	VEN-MOS-40N60-001

Note: Rating derived from standard part-number convention. Verify against physical marking / manufacturer datasheet before use in critical applications.

60N65 — N-Channel Power MOSFET

Part Number	60N65
Type	N-Channel Power MOSFET
Max Current	60 A
Max Voltage	650 V
Package	TO-220 / TO-247 / TO-3P (verify on receipt)
Typical Applications	High Power Inverters, Induction Heaters, Industrial Switching, Motor Drives
SKU	VEN-MOS-60N65-001

Note: Rating derived from standard part-number convention. Verify against physical marking / manufacturer datasheet before use in critical applications.

5N100 — N-Channel Power MOSFET

Part Number	5N100
Type	N-Channel Power MOSFET
Max Current	5 A
Max Voltage	1000 V
Package	TO-220 (verify on receipt)
Typical Applications	High Voltage Switching, SMPS, Power Supply Circuits, Industrial Electronics
SKU	VEN-MOS-5N100-001

Note: Rating derived from standard part-number convention. Verify against physical marking / manufacturer datasheet before use in critical applications.

8050 — NPN Transistor

Part Number	8050
Type	NPN Transistor
Max Current	~0.5 A
Max Voltage	25 V
Package	TO-92 (verify on receipt)
Typical Applications	Small Signal Amplification, General Switching, Electronics Repair
SKU	VEN-TRN-8050-001

Note: Rating derived from standard part-number convention. Verify against physical marking / manufacturer datasheet before use in critical applications.

8550 — PNP Transistor

Part Number	8550
Type	PNP Transistor
Max Current	~0.5 A
Max Voltage	-25 V
Package	TO-92 (verify on receipt)
Typical Applications	Small Signal Amplification, General Switching, Electronics Repair
SKU	VEN-TRN-8550-001

Note: Rating derived from standard part-number convention. Verify against physical marking / manufacturer datasheet before use in critical applications.

75N60 — N-Channel Power MOSFET

Part Number	75N60
Type	N-Channel Power MOSFET
Max Current	75 A
Max Voltage	600 V
Package	TO-247 / TO-3P (verify on receipt)
Typical Applications	Spot Welding Machines, High Power Inverters, Industrial Motor Drives
SKU	VEN-MOS-75N60-001

Note: Rating derived from standard part-number convention. Verify against physical marking / manufacturer datasheet before use in critical applications.

30N60 — N-Channel Power MOSFET

Part Number	30N60
Type	N-Channel Power MOSFET

Max Current	30 A
Max Voltage	600 V
Package	TO-220 / TO-247 (verify on receipt)
Typical Applications	Inverters, SMPS, Motor Drives, Power Supply Repair
SKU	VEN-MOS-30N60-001

Note: Rating derived from standard part-number convention. Verify against physical marking / manufacturer datasheet before use in critical applications.

20N50 — N-Channel Power MOSFET

Part Number	20N50
Type	N-Channel Power MOSFET
Max Current	20 A
Max Voltage	500 V
Package	TO-220 (verify on receipt)
Typical Applications	Power Supplies, Inverters, General Electronics Repair
SKU	VEN-MOS-20N50-001

Note: Rating derived from standard part-number convention. Verify against physical marking / manufacturer datasheet before use in critical applications.

9N90 — N-Channel Power MOSFET

Part Number	9N90
Type	N-Channel Power MOSFET
Max Current	9 A
Max Voltage	900 V
Package	TO-220 (verify on receipt)
Typical Applications	High Voltage Switching Circuits, Power Supplies, Industrial Electronics
SKU	VEN-MOS-9N90-001

Note: Rating derived from standard part-number convention. Verify against physical marking / manufacturer datasheet before use in critical applications.

11N90 — N-Channel Power MOSFET

Part Number	11N90
Type	N-Channel Power MOSFET
Max Current	11 A
Max Voltage	900 V

Package	TO-220 / TO-247 (verify on receipt)
Typical Applications	High Voltage Power Supplies, Industrial Switching, Electronics Repair
SKU	VEN-MOS-11N90-001

Note: Rating derived from standard part-number convention. Verify against physical marking / manufacturer datasheet before use in critical applications.

100E60 — Power MOSFET

Part Number	100E60
Type	Power MOSFET
Max Current	Unconfirmed
Max Voltage	Unconfirmed
Package	TO-247 / TO-3P (verify on receipt)
Typical Applications	High Current Industrial Applications, Power Electronics Repair
SKU	VEN-MOS-100E60-001

■ Rating NOT confirmed. This part number is ambiguous across manufacturers. Do not publish current/voltage figures for this part until verified from the actual component label or an official datasheet.

40T120 — Power MOSFET / IGBT

Part Number	40T120
Type	Power MOSFET / IGBT
Max Current	40 A
Max Voltage	1200 V
Package	TO-247 / TO-3P (verify on receipt)
Typical Applications	Industrial Motor Drives, Welding Equipment, High Voltage Switching
SKU	VEN-IGBT-40T120-001

Note: Rating derived from standard part-number convention. Verify against physical marking / manufacturer datasheet before use in critical applications.

3878 — Transistor / MOSFET

Part Number	3878
Type	Transistor / MOSFET
Max Current	Unconfirmed
Max Voltage	Unconfirmed
Package	TO-220 / SMD (verify on receipt)
Typical Applications	General Electronics Repair, DIY Projects

SKU	VEN-TRN-3878-001
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■ Rating NOT confirmed. This part number is ambiguous across manufacturers. Do not publish current/voltage figures for this part until verified from the actual component label or an official datasheet.

Prepared for Ven10 Enterprises internal / catalog use. Specifications are reference values based on common industry part-numbering conventions and are not sourced from a single verified manufacturer datasheet. Confirm critical specifications before customer-facing use.