

# AOD4124 Datasheet



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DiGi Electronics Part Number	AOD4124-DG
Manufacturer	<a href="#">Alpha &amp; Omega Semiconductor Inc.</a>
Manufacturer Product Number	AOD4124
Description	MOSFET N-CH 100V 7.5A/54A TO252
Detailed Description	N-Channel 100 V 7.5A (Ta), 54A (Tc) 3.1W (Ta), 150 W (Tc) Surface Mount TO-252 (DPAK)



Tel: +00 852-30501935

RFQ Email: [Info@DiGi-Electronics.com](mailto:Info@DiGi-Electronics.com)

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## Purchase and inquiry

**Manufacturer Product Number:**

AOD4124

**Series:**

SDMOS™

**FET Type:**

N-Channel

**Drain to Source Voltage (Vdss):**

100 V

**Drive Voltage (Max Rds On, Min Rds On):**

7V, 10V

**Vgs(th) (Max) @ Id:**

4V @ 250µA

**Vgs (Max):**

±25V

**FET Feature:**

-

**Operating Temperature:**

-55°C ~ 175°C (Tj)

**Supplier Device Package:**

TO-252 (DPAK)

**Base Product Number:**

AOD41

**Manufacturer:**

Alpha &amp; Omega Semiconductor Inc.

**Product Status:**

Obsolete

**Technology:**

MOSFET (Metal Oxide)

**Current - Continuous Drain (Id) @ 25°C:**

7.5A (Ta), 54A (Tc)

**Rds On (Max) @ Id, Vgs:**

21mOhm @ 20A, 10V

**Gate Charge (Qg) (Max) @ Vgs:**

38 nC @ 10 V

**Input Capacitance (Ciss) (Max) @ Vds:**

2420 pF @ 50 V

**Power Dissipation (Max):**

3.1W (Ta), 150W (Tc)

**Mounting Type:**

Surface Mount

**Package / Case:**

TO-252-3, DPAK (2 Leads + Tab), SC-63

## Environmental & Export classification

**Moisture Sensitivity Level (MSL):**

1 (Unlimited)

**ECCN:**

EAR99

**REACH Status:**

REACH Unaffected

**HTSUS:**

8541.29.0095

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