

IXTA56N15T Datasheet



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DiGi Electronics Part Number	IXTA56N15T-DG
Manufacturer	IXYS
Manufacturer Product Number	IXTA56N15T
Description	MOSFET N-CH 150V 56A TO263
Detailed Description	N-Channel 150 V 56A (Tc) 300W (Tc) Surface Mount TO-263AA

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Manufacturer Product Number:

IXTA56N15T

Series:

Trench

FET Type:

N-Channel

Drain to Source Voltage (Vdss):

150 V

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

10V

Vgs(th) (Max) @ Id:

4.5V @ 250 μ A

Vgs (Max):

\pm 30V

FET Feature:

-

Operating Temperature:

-55 $^{\circ}$ C ~ 175 $^{\circ}$ C (Tj)

Supplier Device Package:

TO-263AA

Base Product Number:

IXTA56

Manufacturer:

IXYS

Product Status:

Active

Technology:

MOSFET (Metal Oxide)

Current - Continuous Drain (Id) @ 25 $^{\circ}$ C:

56A (Tc)

Rds On (Max) @ Id, Vgs:

36mOhm @ 28A, 10V

Gate Charge (Qg) (Max) @ Vgs:

34 nC @ 10 V

Input Capacitance (Ciss) (Max) @ Vds:

2250 pF @ 25 V

Power Dissipation (Max):

300W (Tc)

Mounting Type:

Surface Mount

Package / Case:

TO-263-3, D2PAK (2 Leads + Tab), TO-263AB

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8541.29.0095

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

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