


 life.augmented	<b>Manufacturer Part Number:</b> <a href="#">STB45N40DM2AG</a>
	<b>Manufacturer/Brand:</b> <a href="#">STMicroelectronics</a>
	<b>Part of Description:</b> MOSFET N-CH 400V 38A
	<b>Datasheets:</b>  <a href="#">STB45N40DM2AG.pdf</a>
	<b>RoHs Status:</b>  Lead free / RoHS
	<b>Stock Condition:</b> Compliant New original, Stock Available.
	<b>Ship From:</b> Hong Kong
Image may be representation. See specs for product details.	<b>Shipment Way:</b> DHL/Fedex/TNT/UPS/EMS

### Specifications

Part Number	<a href="#">STB45N40DM2AG</a>
Manufacturer	<a href="#">STMicroelectronics</a>
Description	MOSFET N-CH 400V 38A
Category	<a href="#">Discrete Semiconductor Products &gt; Transistors - FETs,</a>
Part Status	<a href="#">Require For Quote &amp; Check Stock</a>
Vgs(th) (Max) @ Id	5V @ 250µA
Vgs (Max)	±25V
Technology	MOSFET (Metal Oxide)
Supplier Device Package	D2PAK
Series	Automotive, AEC-Q101, MDmesh™
Rds On (Max) @ Id, Vgs	72 mOhm @ 19A, 10V
Power Dissipation (Max)	250W (Tc)
Packaging	Tape & Reel (TR)
Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	2600pF @ 100V
Gate Charge (Qg) (Max) @ Vgs	56nC @ 10V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	10V
Drain to Source Voltage (Vdss)	400V
Current - Continuous Drain (Id) @ 25°C	38A (Tc)

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ADD:Unit A5-B5 No.509, 5/F Sing Win Factory Building, 15-17 Shing yip St, Kwun Tong, Kowloon, HongKong.

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