
	<p>C2M0045170P</p>
	<p>Manufacturer Part Number: C2M0045170P</p> <p>Manufacturer/Brand: Cree Wolfspeed</p> <p>Part of Description: ZFET SIC DMOSFET, 1700V VDS, RDS</p> <p>Datasheets:  C2M0045170P.pdf</p> <p>RoHs Status:</p> <p>Stock Condition: New original, Stock Available.</p> <p>Ship From: Hong Kong</p> <p>Shipment Way: DHL/Fedex/TNT/UPS/EMS</p>
<p>Image may be representation. See specs for product details.</p>	

Specifications

Part Number	C2M0045170P
Manufacturer	Cree Wolfspeed
Description	ZFET SIC DMOSFET, 1700V VDS, RDS
Category	Discrete Semiconductor Products > Transistors - FETs,
Part Status	Require For Quote & Check Stock
Vgs(th) (Max) @ Id	4V @ 18mA
Vgs (Max)	+25V, -10V
Technology	SICFET (Silicon Carbide)
Supplier Device Package	TO-247-4L
Series	C2M™
Rds On (Max) @ Id, Vgs	59 mOhm @ 50A, 20V
Power Dissipation (Max)	520W (Tc)
Package / Case	TO-247-4
Operating Temperature	-40°C ~ 150°C (TJ)
Mounting Type	Through Hole
Moisture Sensitivity Level (MSL)	Not Applicable
Input Capacitance (Ciss) (Max) @ Vds	3672pF @ 1000V
Gate Charge (Qg) (Max) @ Vgs	188nC @ 20V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	20V
Drain to Source Voltage (Vdss)	1700V
Detailed Description	N-Channel 1700V 72A (Tc) 520W (Tc) Through Hole TO-
Current - Continuous Drain (Id) @ 25°C	72A (Tc)

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