









	C2M1000170J
	Manufacturer Part Number: C2M1000170J
Manufacturer/Brand: Cree Wolfspeed	Part of Description: MOSFET N-CH 1700V 5.3A TO247
Datasheets:  C2M1000170J.pdf	RoHS Status:  Lead free / RoHS
Stock Condition: Compliant New original, Stock Available.	Ship From: Hong Kong
Image may be representation. See specs for product details.	Shipment Way: DHL/Fedex/TNT/UPS/EMS

Specifications

Part Number	C2M1000170J
Manufacturer	Cree Wolfspeed
Description	MOSFET N-CH 1700V 5.3A TO247
Category	Discrete Semiconductor Products > Transistors - FETs,
Part Status	Require For Quote & Check Stock
Vgs(th) (Max) @ Id	3.1V @ 500µA (Typ)
Vgs (Max)	+25V, -10V
Technology	SiCFET (Silicon Carbide)
Supplier Device Package	D2PAK (7-Lead)
Series	C2M™
Rds On (Max) @ Id, Vgs	1.4 Ohm @ 2A, 20V
Power Dissipation (Max)	78W (Tc)
Packaging	Bulk
Package / Case	TO-263-7 (Straight Leads)
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Moisture Sensitivity Level (MSL)	1 (Unlimited)
Manufacturer Standard Lead Time	52 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Input Capacitance (Ciss) (Max) @ Vds	200pF @ 1000V
Gate Charge (Qg) (Max) @ Vgs	13nC @ 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 5.3A (Tc) 78W (Tc) Surface Mount
Current - Continuous Drain (Id) @ 25°C	5.3A (Tc)

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