

 	<b>C2M0080120D</b>
	<b>Manufacturer Part Number:</b> <a href="#">C2M0080120D</a>
	<b>Manufacturer/Brand:</b> <a href="#">Cree Wolfspeed</a>
	<b>Part of Description:</b> MOSFET N-CH 1200V 31.6A TO247
	<b>Datasheets:</b>  <a href="#">C2M0080120D.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	C2M0080120D
Manufacturer	Cree Wolfspeed
Description	MOSFET N-CH 1200V 31.6A TO247
Category	<a href="#">Discrete Semiconductor Products</a> > <a href="#">Transistors - FETs</a> ,
Part Status	<a href="#">Require For Quote &amp; Check Stock</a>
Vgs(th) (Max) @ Id	4V @ 5mA
Vgs (Max)	+25V, -10V
Technology	SICFET (Silicon Carbide)
Supplier Device Package	TO-247-3
Series	C2M™
Rds On (Max) @ Id, Vgs	98 mOhm @ 20A, 20V
Power Dissipation (Max)	192W (Tc)
Packaging	Bulk
Package / Case	TO-247-3
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Through Hole
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	950pF @ 1000V
Gate Charge (Qg) (Max) @ Vgs	62nC @ 5V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	20V
Drain to Source Voltage (Vdss)	1200V
Detailed Description	N-Channel 1200V 36A (Tc) 192W (Tc) Through Hole TO-
Current - Continuous Drain (Id) @ 25°C	36A (Tc)

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<b>In:</b>  <b>C2M0040120D</b> Cree Wolfspeed MOSFET N-CH 1200V 60A TO-247	 <b>C2M0160120D</b> Cree Wolfspeed MOSFET N-CH 1200V 19A TO-247	 <b>C2M0045170D</b> Cree/Wolfspeed MOSFET NCH 1.7KV 72A TO247	 <b>C2M0080170P</b> Cree Wolfspeed ZFET SIC DMOSFET, 1700V VDS, RDS
 <b>C2M0080120D</b> Cree/Wolfspeed MOSFET N-CH 1200V 31.6A TO247	 <b>C2M0160120D</b> Cree/Wolfspeed MOSFET N-CH 1200V 17.7A TO-247	 <b>C2M0045170P</b> Cree Wolfspeed ZFET SIC DMOSFET, 1700V VDS, RDS	 <b>C2M0280120D</b> Cree/Wolfspeed MOSFET N-CH 1200V 10A TO-247-3

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