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Product Info.		Our MOSFET	Eval MOSFET
Image:			
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Mouser Part #:	771-BUK7880-55A/CUX	771-BUK763R8-80E118	
Mfr.'s Part #:	BUK7880-55A/CUX	BUK763R8-80E,118	
Manufacturer:	Nexperia	Nexperia	
Description:	MOSFET N-channel TrenchMOS standard level FET	MOSFET N-Chan 80V 120A	
Datasheet:	Datasheet	Datasheet	
RoHS:	 Details	 Details	
Specifications			
Configuration:	Single	Single	
Package / Case:	SOT-223-3	TO-263-3	
Packaging:	Cut TapeMouseReelReel	Cut TapeMouseReelReel	
Technology:	Si	Si	
Transistor Type:	1 N-Channel	1 N-Channel	
Brand:	Nexperia	Nexperia	
Mounting Style:	SMD/SMT	SMD/SMT	
Number of Channels:	1 Channel	1 Channel	
Transistor Polarity:	N-Channel	N-Channel	
Channel Mode:	Enhancement	Enhancement	
Fall Time:	9 ns	65 ns	
Id - Continuous Drain Current:	7 A	120 A	
Maximum Operating Temperature:	+ 150 C	+ 175 C	
Minimum Operating Temperature:	- 55 C	- 55 C	
Pd - Power Dissipation:	8 W	357 W	
Product Type:	MOSFET	MOSFET	
Qg - Gate Charge:	12 nC	169 nC	
Qualification:	AEC-Q101	AEC-Q101	
Rds On - Drain-Source Resistance:	68 mOhms	3.8 mOhms	
Rise Time:	52 ns	48 ns	
Standard Pack Qty:	1000	800	
Subcategory:	MOSFETs	MOSFETs	
Typical Turn-Off Delay Time:	17 ns	129 ns	
Typical Turn-On Delay Time:	8 ns	38 ns	
Vds - Drain-Source Breakdown Voltage:	55 V	80 V	

Vgs - Gate-Source Voltage:	- 20 V, + 20 V	- 20 V, + 20 V
Vgs th - Gate-Source Threshold Voltage:	2 V	3 V
Part # Aliases:	934068288115	934066492118
Ordering Information		
Stock:	43,902 Can Ship Immediately,	6,400 Can Ship Immediately,
On Order:	0	0
Factory Lead-Time:	26 Weeks	26 Weeks
Pricing:	☐ Cut Tape 1: \$0.47 10: \$0.348 100: \$0.216 500: \$0.20 ☐ MouseReel™ Reel Service Fee \$7.00 Price will be calculated in cart. ☐ Full Reels of 1000 To purchase full reel, order in multiples of 1000: 1,000: \$0.137 2,000: \$0.121 10,000: \$0.109 25,000: \$0.105 50,000: \$0.099 Full Reel and Broken Reel Options ☐ Reel and Cut Tape ☐ Reel and MouseReel™ Reel Service Fee \$7.00 MouseReel™ price is calculated in the cart. All MouseReel™ orders are non-returnable.	☐ Cut Tape 1: \$2.21 10: \$1.78 100: \$1.47 500: \$1.24 ☐ MouseReel™ Reel Service Fee \$7.00 Price will be calculated in cart. ☐ Full Reels of 800 To purchase full reel, order in multiples of 800: 800: \$0.998 24,800: Quote Full Reel and Broken Reel Options ☐ Reel and Cut Tape ☐ Reel and MouseReel™ Reel Service Fee \$7.00 MouseReel™ price is calculated in the cart. All MouseReel™ orders are non-returnable.
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