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## Part Details

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## Manufacturer Part #: DMG1012T-7

Diodes, Inc  
Trans MOSFET N-CH 20V 0.63A 3-Pin SOT-523 T/R



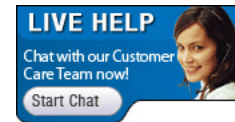
**Avnet Part #:** DMG1012T-7  
**ECCN:** EAR99  
**Schedule B:** 8541.10.0050  
**HTSN:** 8541.10.0050  
**UNSPSC:** 32111612  
**Version:** v13.0601



[Download Datasheet](#)

(<http://www.diodes.com/datasheets/ds31783.pdf>)

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Region	Qty Available/ Ships In	Packaging	Price (USD)	Qty
Americas 	<b>Part # :</b> DMG1012T-7 <b>MFR</b> Diodes, Inc <b>Stock:</b> 366,000 Can ship immediately <b>Average Factory Lead Time:</b> 8 Week Factory Lead Time	Tape & Reel	<b>3,000-\$0.0323</b> 15,000-\$0.0301 30,000+-\$0.0286	<input type="text" value="3000"/> Min: 3000 Mult: 3000 <a href="#">Add to Cart</a> <a href="#">Add to BOM</a>
Americas 	<b>Part # :</b> DMG1012T-7 <b>MFR</b> Diodes, Inc <b>Stock:</b> 366,000 Can ship immediately <b>Average Factory Lead Time:</b> 8 Week Factory Lead Time	Tape & Reel	<b>3,000-\$0.0323</b> 15,000-\$0.0301 30,000+-\$0.0286	*Special Quantity <input type="text" value="3000"/> Min:3000 Mult:3000 <a href="#">Add to Cart</a> <a href="#">Add to BOM</a>
Americas 	<b>Part # :</b> DMG1012T-7/BKN <b>MFR</b> Diodes, Inc <b>Stock:</b> 3,236 Stock Can ship immediately <b>Average Factory Lead Time:</b> 8 Week Factory Lead Time	Cut Tape	<b>1-\$0.1201</b> 10-\$0.0769 50-\$0.0523 100-\$0.0464 500-\$0.0361 1,000+-\$0.0351	<input type="text" value="1"/> Min: 1 Mult: 1 <a href="#">Add to Cart</a> <a href="#">Add to BOM</a>

## Part Details

Description	Value
Package	3SOT-523
Channel Mode	Enhancement
Maximum Drain Source Voltage	20 V
Maximum Continuous Drain Current	0.63 A
RDS-on	400@4.5V mOhm
Maximum Gate Source Voltage	±6 V
Typical Turn-On Delay Time	5.1 ns
Typical Rise Time	7.4 ns
Typical Turn-Off Delay Time	26.7 ns
Typical Fall Time	12.3 ns
Operating Temperature	-55 to 150 °C
Mounting	Surface Mount
Category	MOSFET
Manufacturer	Diodes, Inc

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