



Part: IRLMS6802TRPBF

Description: -20V Single P-Channel HEXFET Power MOSFET in a TSOP-6 (Micro 6) package

Support Docs: [Datasheet](#)

[Spice File](#)


[Saber File](#)

[Reliability Report](#)

Cross Reference				
IR Part #	Recommended IR Part #	Description	Part Status	Replacement Type
IRLMS6802TRPBF	IRLMS6802TRPBF	MOSFET, P-CHANNEL, -20V, -5.6A, 50 mOhm, 11 nC Qg, Logic Level, TSOP-6	Active	DIRECT
IRLMS6802TRPBF	IRLTS2242TRPBF	MOSFET, P-CHANNEL, -20V, -6.9A, 32 mOhm, -2.5V capable, TSOP-6	Active	UPGRADE
IRLMS6802TRPBF	IRLML2244TRPBF	MOSFET, P-CHANNEL, -20V, -4.3A, 54 mOhm, -2.5V capable, SOT-23	Active	POSSIBLE

Specifications	
Parameter	Value
Package	TSOP-6 (Micro 6)
Circuit	Discrete
VBRDSS (V)	-20
VGs Max (V)	12
RDS(on) Max 2.7V (mOhms)	100.0
RDS(on) Max 4.5V (mOhms)	50.0
ID @ TA = 25C (A)	-5.6
ID @ TA = 70C (A)	-4.5
Qg Typ (nC)	11.0
Qgd Typ (nC)	2.9
Rth(JC) (C/W)	62.5 (JA)
Power Dissipation @ TC = 25C (W)	2.0
Power Dissipation @ TA = 25C (W)	2.00
Environmental Options Available	PbF and Leaded
Package Class Can	Surface Mount with Leads

Packaging Options					
Product ID	Description	Status	Standard Pack	1K Budgetary Pricing (USD)	Qty
IRLMS6802TRPBF	Similar to IRLMS6802TR with Lead Free Packaging	Active	3000	\$0.15	1

Package Support Docs	
	<p>Micro6™ (TSOP6)</p> <ul style="list-style-type: none"> • Package Outline • Part Marking (Micro6) • Part Marking (TSOP6) • Tape & Reel • REACH Compliance • RoHS/PbF Compliance (Micro6) • RoHS/PbF Compliance (TSOP6)

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