

Part No. EPA120B-100P



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EPA120B-100P Datasheet (PDF) - Excelics Semiconductor, Inc.

No. de pieza	EPA120B-100P
Descripción Electrónicos	High Efficiency Heterojunction Power FET
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Fabricante Electrónico	EXCELICS [Excelics Semiconductor, Inc.]
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EPA120B-100P

High Efficiency Heterojunction Power FET

ETIC 100MIL METAL FLANGE PACKAGE

YPICAL OUTPUT POWER

CAL POWER GAIN AT 12GHz

ICRON RECESSED "MUSHROOM" GATE

VATION

EPITAXIAL HETEROJUNCTION

ROVIDES EXTRA HIGH POWER

Y AND HIGH RELIABILITY

ALL DIMENSIONS IN INCHES

PARAMETERS/TEST CONDITIONS		MIN	TYP	MAX	UNIT
Output Power at 1dB Compression	f= 12GHz f= 18GHz	27.5	29.0 29.0		dBm
$V_{DS} = 8V, I_{DS} \approx 50\% I_{DSS}$					
Gain at 1dB Compression	f= 12GHz f= 18GHz	8.5	10.0 7.5		dB
$V_{DS} = 8V, I_{DS} \approx 50\% I_{DSS}$					
Power Added Efficiency at 1dB Compression	f=12GHz		41		%
$V_{DS} = 8V, I_{DS} \approx 50\% I_{DSS}$					
Saturated Drain Current	$V_{DS} = 3V, V_{GS} = 0V$	220	360	500	mA
Transconductance	$V_{DS} = 3V, V_{GS} = 0V$	240	380		mS
			1.0	2.5	V

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Número de Pieza relacionado

No. de pieza	Descripción Electrónicos	Html View	Fabricante Electrónico
SC4624	Low Input Voltage High Efficiency 4A Integrated FET Synchronous Step down DC/DC Regulator	1 2 3 4 5 More	Semtech Corporation
RJK6014DPP	Silicon N Channel MOS FET High Speed Power Switching	1 2 3 4	Renesas Technology Corp
EPA018B-70	High Efficiency Heterojunction Power FET	1 2	Excelics Semiconductor, Inc.
EPA030C-70	High Efficiency Heterojunction Power FET	1	Excelics Semiconductor, Inc.
EPA120A	High Efficiency Heterojunction Power FET	1 2	Excelics Semiconductor, Inc.
EPA018BV-70SC	High Efficiency Heterojunction Power FET	1	Excelics Semiconductor, Inc.
EPA040A-70	High Efficiency Heterojunction Power FET	1 2	Excelics Semiconductor, Inc.
EPA018B	High Efficiency Heterojunction Power FET	1 2 3	Excelics Semiconductor, Inc.
EPA030C	High Efficiency Heterojunction Power FET	1 2	Excelics Semiconductor, Inc.

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