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U.S.A.

BLF145

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VHF POWER MOSFET

N-Channel Enhancement Mode

DESCRIPTION:

BLF145 is Designed for General Purpose Class AB Power Amplifier Applications up to 175 MHz.

FEATURES:

- P_G = 20 dB Typ. at 30 W /28 MHz
- Omnigold™ Metalization System

MAXIMUM RATINGS

ĺο	3.0 A			
V _{(BR)DSS}	65 V			
V_{GSS}	20 V			
P _{DISS}	68 W @ T _C = 25 °C			
TJ	-65 °C to +200 °C			
T _{STG}	-65 °C to +150 °C			
θμς	2.6 °C/W			

PAC	PACKAGE STYLE .380 4L FLG						
	ż						
	440 453						
	B 112 x 45°	\\\^\^\^\A					
	S	D Ø.125 NOM.					
	G C	125					
		GH					
DIM	MINIMUM mcnes / mm	MAXIMUM nches/mm					
DIM A		MAXIMUM					
<u> </u>	inches / mm	MAXIMUM inches J rinn					
A	.220 / 5,59	MAXIMUM inches J rinn					
A B	.220 / 5.59 .785 / 19.94	MAXIMUM miches / mim					
A B C	.220 / 5,59 .785 / 19,94 .720 / 18,29	MAXIMUM mothes from					
A B C D E	.220 / 5,59 .785 / 19,94 .720 / 18,29	MAXIMUM mohas From					
A B C D E	.220 / 5.59 .785 / 19.94 .720 / 18.29 .970 / 24.84	MAXIMUM miches / mim 230 / 5.84 .730 / 18.54 980 / 24.89 .385 / 9.78					
A B C D E		MAXIMUM miches I mim 230 / 5.84 730 / 18.54 980 / 24.89 385 / 9.78 008 / 0.15					
A B C D E F		MAXIMUM miches firm 230 / 5.84 .730 / 18.54 980 / 24.89 .385 / 9.78 .006 / 0.15 .105 / 2.67					

CHARACTERISTICS To = 25°C

SYMBOL		TEST CONDITIONS I _{DS} = 10 mA		MINIMUM	TYPICAL	MAXIMUM	UNITS
V _{(BR)DSS}	V _{GS} = 0 V			65			v
I _{DSS}	V _{DS} = 28 V	V _{GS} = 0 V				2.0	mA
I _{GSS}	V _{DS} = 0 V	V _{GS} = 20 V				1.0	μ Α
V _{GS}	V _{DS} = 10 V	I _D = 10 mA		2.0		4.5	V
V_{GS1} - V_{GS2}	V _{DS} = 10 V	I _D = 10 mA				100	mV
G _{FS}	V _{DS} = 10 V	I _D = 1.5 A		1.2			s
C _{iss}	.,				125		
C _{oss} C _{rss}	V _{GS} = 28 V	V _{DS} = 0 V	f = 1.0 MHz		75 11		рF
P _G	V _{DD} = 28	P _{OUT} = 30 W	f = 28 MHz		20		dB
$\eta_{ extsf{D}}$					40		%

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