

BF245A/BF245B/BF245C

N-Channel Amplifiers

- This device is designed for VHF/UHF amplifiers.
 Sourced from process 50. WWW.DZSC.COM



1. Gate 2. Source 3. Drain

Absolute Maximum Ratings T_a =25°C unless otherwise noted

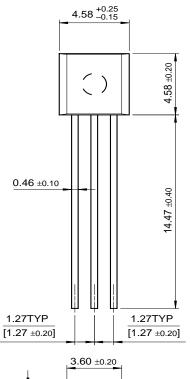
Symbol	Parameter	Value	Units
V_{DG}	Drain-Gate Voltage	30	V
V_{GS}	Gate-Source Voltage	-30	V
I_{GF}	Forward Gate Current	10	mA
P _D	Total Device Dissipation @T _A =25°C Derate above 25°C	350 2.8	mW mW/°C
T _{J,} T _{STG}	Operating and Storage Junction Temperature Range	- 55 ~ 150	°C

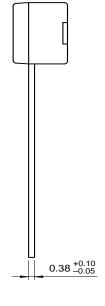
Electrical Characteristics T_a=25°C unless otherwise noted

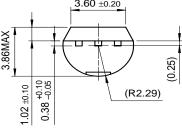
Symbol	Parameter		Test Condition	Min.	Max.	Units
Off Chara	cteristics			· cas	7 "	a.G.G
V _{(BR)GSS}	Gate-Source Breakdown Volt	tage	$V_{DS} = 0$, $I_{G} = 1\mu A$	-30	W.D.	V
V _{GS}	BF	F245A F245B F245C	V _{DS} = 15V, I _D = 200μA	-0.4 -1.6 -3.2	-2.2 -3.8 -7.5	V
V _{GS} (off)	Gate-Source Cut-off Voltage	707.5	$V_{DS} = 15V, I_{D} = 10nA$	-0.5	-8	V
I _{GSS}	Gate Reverse Current	GG. GO.	$V_{GS} = -20V, V_{GS} = 0$		-5	nA
On Chara	cteristics			•		
I _{DSS}	BF	rent 7245A 7245B 7245C	V _{GS} = 15V, V _{GS} = 0	2 6 12	6.5 15 25	mA
On Chara	cteristics			- 400		AC. 05
9 _{fs}	Common Source Forward Transconductance		$V_{GS} = 15V, V_{GS} = 0, f = 1KHz$	3	6.5	mmhos

Package Dimensions

TO-92







Dimensions in Millimeters

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CROSSVOLT™	FRFET™	MicroPak™	QFET™	SuperSOT™-8
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EcoSPARK™	GTO™	MSX™	QT Optoelectronics™	TinyLogic [®]
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Programmable Active Droop™		OPTOPLANAR™	SMART START™	

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