

BF256A/BF256B/BF256C

N-Channel RF Amplifiers • This device is designed for VHF/UHF amplifiers.

- Sourced from process 50.



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 _{STG}	Operating and storage Temperature Range	- 55 ~ 150	°C

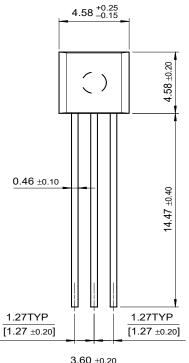
Electrical Characteristics Ta=25°C unless otherwise noted

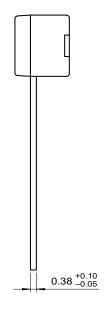
Symbol	Parameter	Test Condition	Min.	Max.	Units
Off Chara	cteristics				
V _{(BR)GSS}	Gate-Source Breakdown Voltage	$V_{DS} = 0$, $I_{G} = 1\mu A$	-30		V
V _{GS}	Gate-Source	V _{DS} = 15V, I _D = 200μA	-0.5	-7.5	V
V _{GS} (off)	Gate-Source Cutoff Voltage	V _{DS} = 15V, I _D = 10nA	-0.5	-8	V
I _{GSS}	Gate Reverse Current	$V_{GS} = -20V, V_{GS} = 0$		-5	nA
On Chara	cteristics				
I _{DSS}	Zero-Gate Voltage Drain Current BF256A BF256B BF256C	V _{GS} = 15V, V _{GS} = 0	3 6 11	7 13 18	mA
Small Sign	nal Characteristics				
gfs	Common Source Forward Transconductance	$V_{DS} = 15V, V_{GS} = 0, f = 1KHz$	4.5		mmhos

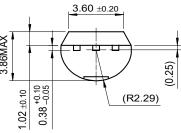
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Package Dimensions

TO-92







Dimensions in Millimeters

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Programmable Active Droop™		OPTOPLANAR™	SMART START™	

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Rev. I2

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