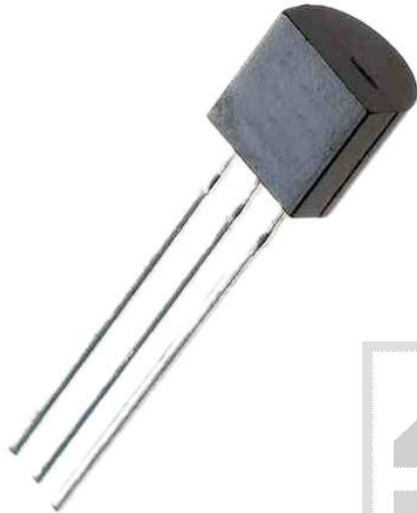




TR BF245A;FSC;TO92; tranzystor; N-FET;25mA;30V;0.3W;Pbf



Dane techniczne:

Nazwa: BF245A

Typ tranzystora: unipolarny

Kierunek przewodnictwa: N-FET

Prąd kolektora: 25mA

Napięcie kolektor-emiter: 30V

Moc: 300mW

Montaż: przewlekany(THT)

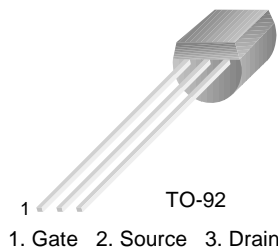
Obudowa: TO92

Producent: FSC

BF245A/BF245B/BF245C

N-Channel Amplifiers

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



Absolute Maximum Ratings $T_a=25^\circ\text{C}$ 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 @ $T_A=25^\circ\text{C}$ Derate above 25°C	350 2.8	mW mW/ $^\circ\text{C}$
T_J, T_{STG}	Operating and Storage Junction Temperature Range	- 55 ~ 150	$^\circ\text{C}$

Electrical Characteristics $T_a=25^\circ\text{C}$ unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Max.	Units
Off Characteristics					
$V_{(BR)GSS}$	Gate-Source Breakdown Voltage	$V_{DS} = 0, I_G = 1\mu\text{A}$	-30		V
V_{GS}	Gate-Source	$V_{DS} = 15\text{V}, I_D = 200\mu\text{A}$	-0.4 -1.6 -3.2	-2.2 -3.8 -7.5	V
$V_{GS(off)}$	Gate-Source Cut-off Voltage	$V_{DS} = 15\text{V}, I_D = 10\text{nA}$	-0.5	-8	V
I_{GSS}	Gate Reverse Current	$V_{GS} = -20\text{V}, V_{DS} = 0$		-5	nA
On Characteristics					
I_{DSS}	Zero-Gate Voltage Drain Current	$V_{GS} = 15\text{V}, V_{GS} = 0$	2 6 12	6.5 15 25	mA
On Characteristics					
g_{fs}	Common Source Forward Transconductance	$V_{GS} = 15\text{V}, V_{GS} = 0, f = 1\text{KHz}$	3	6.5	mmhos

Package Dimensions

TO-92



BF245A/BF245B/BF245C

Dimensions in Millimeters

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Programmable Active Droop [™]		OPTOPLANAR [™]	SMART START [™]	

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2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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