

N-Channel Dual Gate MOS-Fieldeffect Tetrode · Depletion Mode

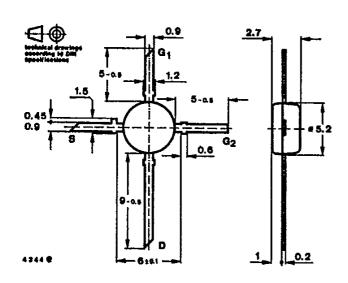
Applications: input- and Mixerstages especially for UHF-tuners

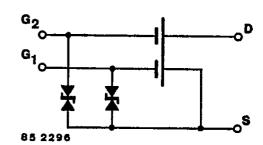
Features:

- Integrated Gate protection diodes
- High cross modulation performance
- Low noise figure

- High AGC-range
- Low feedback capacitance
- Low input capacitance

Dimensions in mm





Case 50 B 4 DIN 41 867 JEDEC TO 50 Weight max. 0.1 g

Absolute maximum ratings

Drain Source Voltage	$V_{ t DS}$	20	V
Drain current	l _D	30	mA
Gate 1/Gate 2-Source peak current	±/ _{G1/25M}	10	mA
Total power dissipation			
7 _{amb} = 60 °C	P_{tot}	200	mW
Channel temperature	$ au_{ extsf{c}}$	150	%
Storage temperature range	T _{sto}	-55+150	°C

Thermal resistance

Channel ambient mounted on pc-board one side Cu 35 μ m thickness 40 x 25 x 1.5 mm³

Min.

Typ.

Max.

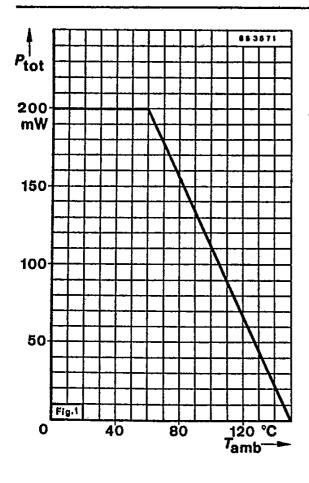
 R_{thCA}

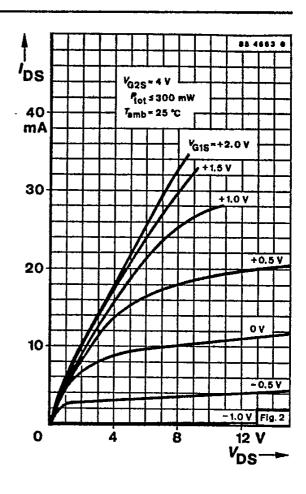
450 K/W

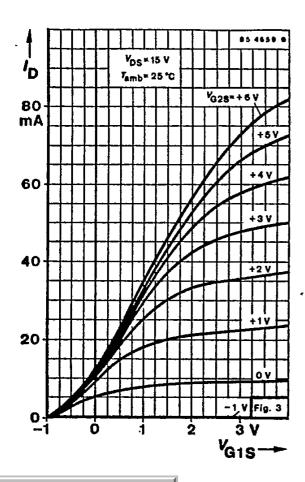
BF 966

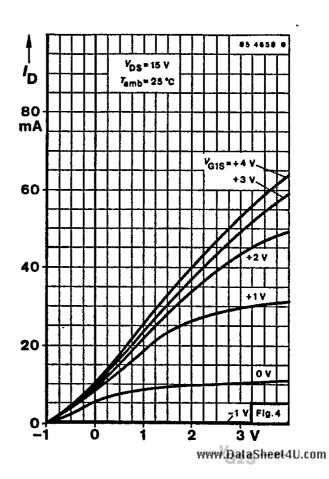
www.DataSheet4U.com

20			V
6		20	V
6		20	٧
		50	nΑ
		50	nA
2		20	mA
		2.5	٧
		2.0	V
15	17		mS
	2.2	2.6	рF
	1.1		рF
	25	35	fF
	0.8	1.2	pF
	25 18		dB dB
	1.0 1.8		dB dB
	15	2.2 1.1 25 0.8 25 18	2.2 2.6 1.1 25 35 0.8 1.2 25 18

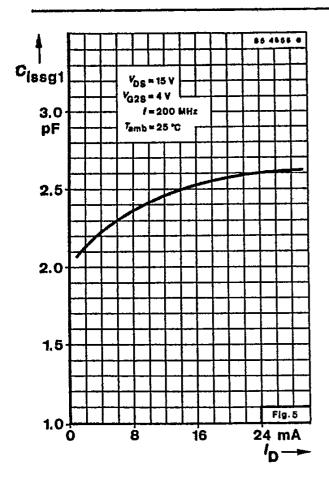


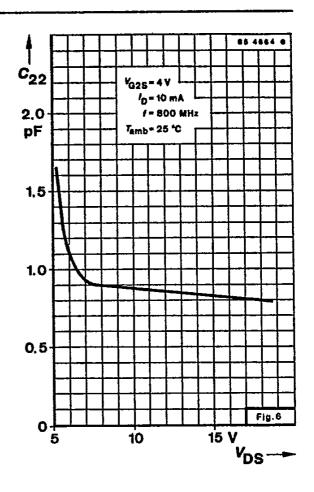


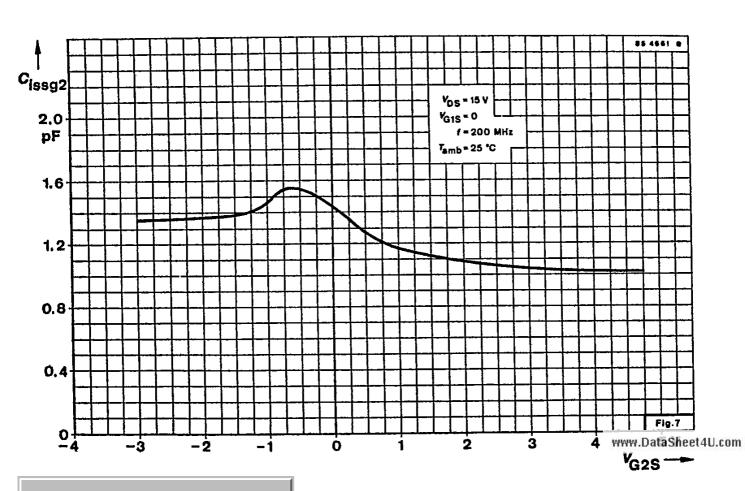




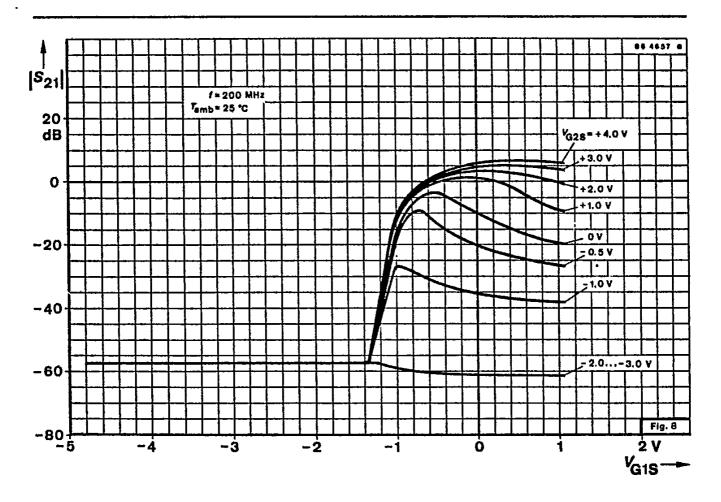
BFw966heet4U.com

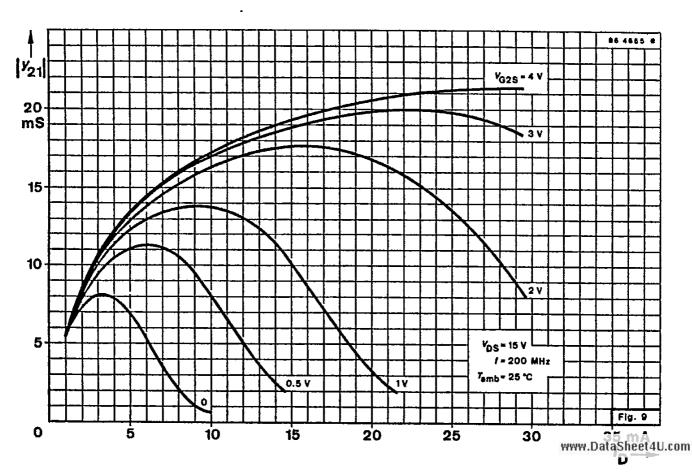




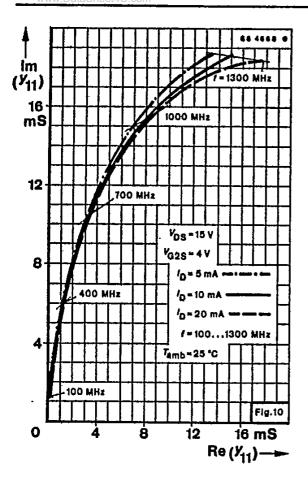


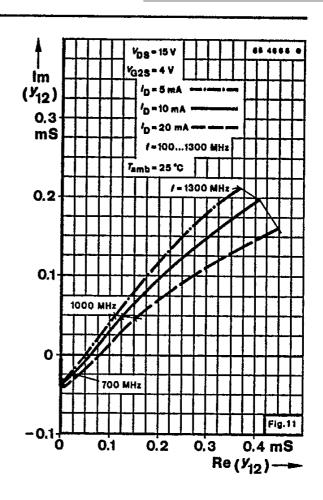
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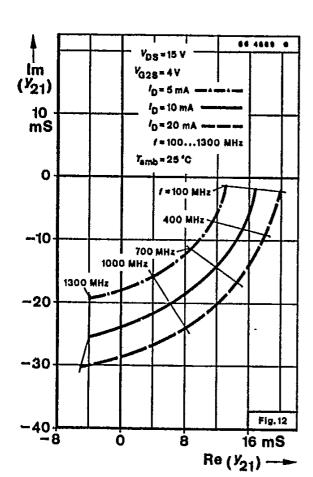


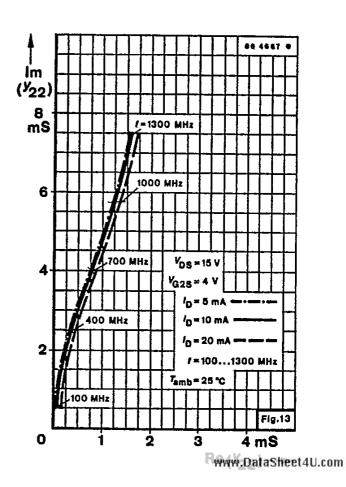


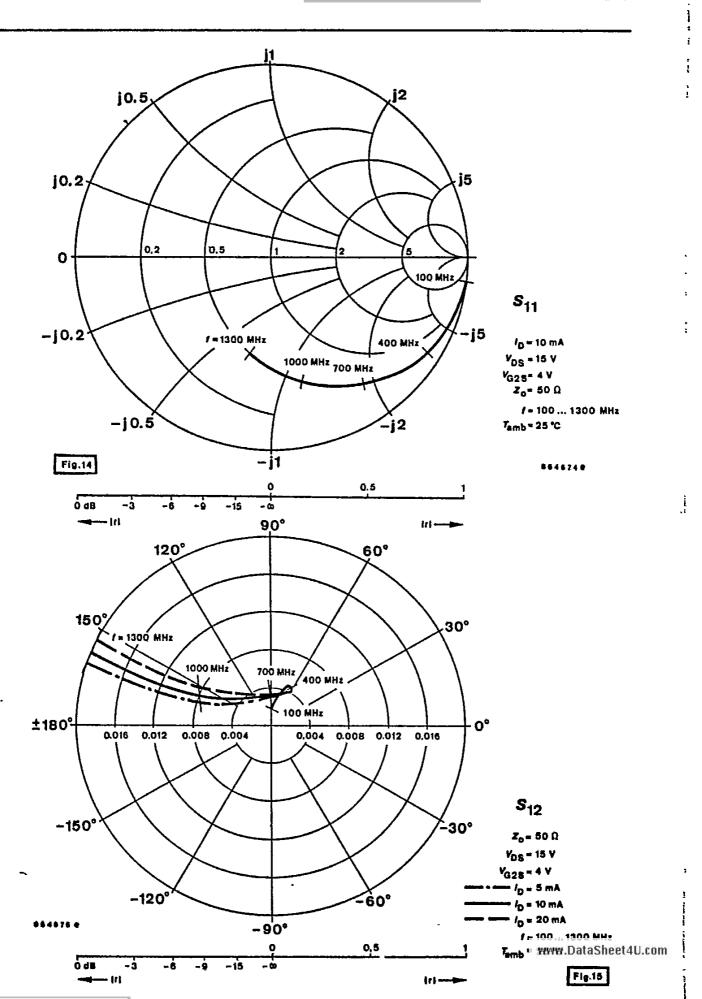
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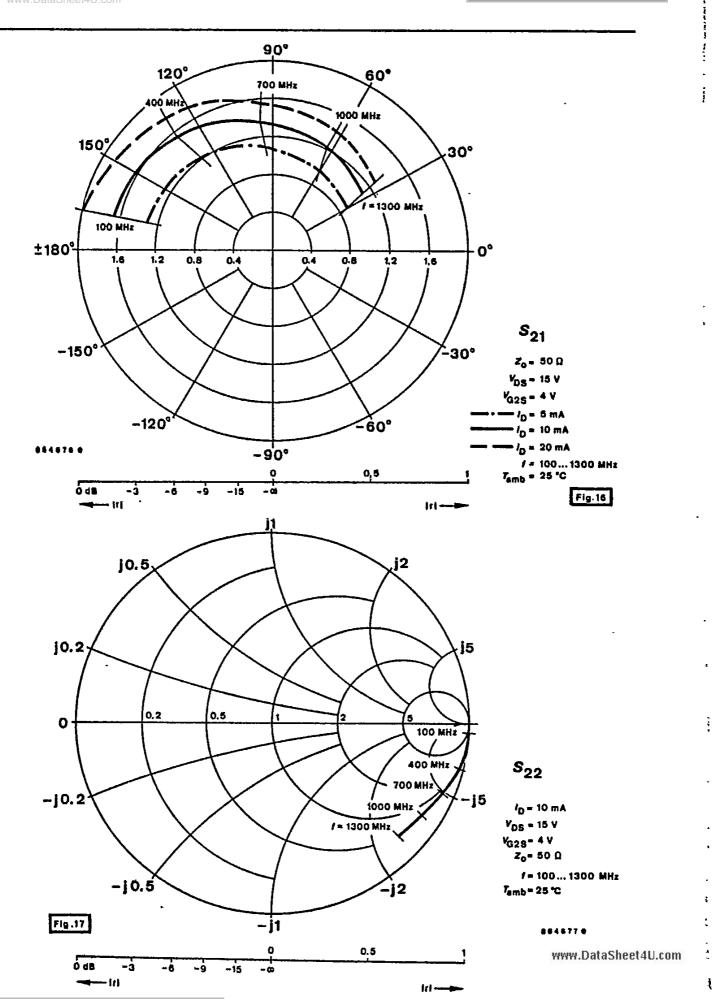












7. Taping and Reeling

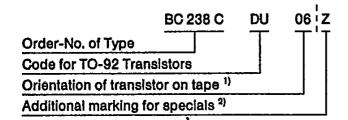
7.1. Taping of TO=92 Transistors

Standard reeling: Taped on reel, reeled together with a paper film.

7.1.1. Order Numbers

Add the taping-code to the order number.

Example:



- 1) 06 = View on flat side of transistor, view on gummed tape
 - 05 = View on round side of transistor, view on gummed tape
- 2) Additional marking "0": taping without paper film

Additional marking "Z": Zigzag folded tape in spe-

cial box. Marking for orientation of transistor not necessary, because box can be opened on

top or bottom

Example for order No.: BC 237 C DU Z

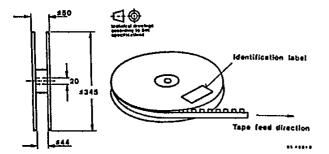


Fig. 7.1. Dimensions of reel in mm

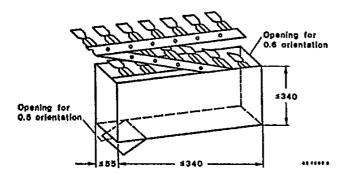


Fig. 7.2. Dimension of box for Zigzag folding in mm

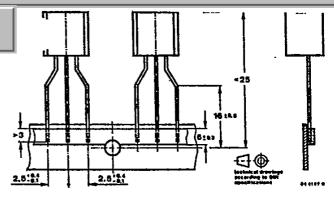


Fig. 7.3 Dimensions of tape In mm

7.1.2 Quantity of devices

1 000 devices per reel

2000 devices per folded tape in special box.

7.2. Taped transistors in SOT 23 and SOT 143 case

7.2.1. Designation

a) Standard taping

Designation is attached with code GS 08 in case of standard taping. Example for normal version transistors as standard taped: BF 569-GS 08.

Example for R-version transistors as standard taped: BF 569 R-GS 08.

In case of standard taping, the transistor orientation on the tape is shown in Fig. 7.4 and Fig. 7.5.

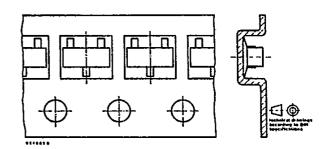


Fig. 7.4 Standard taped SOT 23

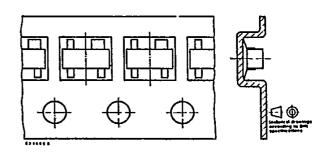


Fig. 7.5. Standard taped SOT 143

b) Heverse taping

Designation is attached with code GS 07 in case of reverse taping. Example for normal version transistors as reverse taped: BF 569-GS 07.

Example for R-version transistors as reverse taping: BF 569 R-GS 07.

In case of reverse taping, the transistor orientation on the tape is shown in Fig. 7.6.

Regarding MOS-FET and MES-FET devices, reverse taping is at present not available.

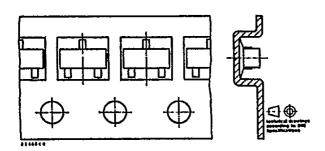


Fig. 7.6 Reverse taped SOT 23

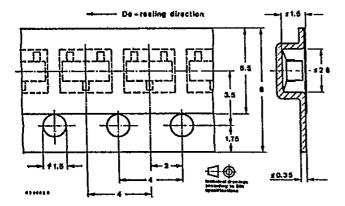


Fig. 7.7 Dimensions of tape in mm

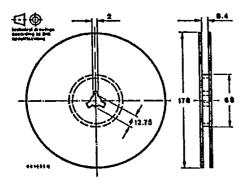


Fig. 7.8 Dimensions of reel in mm

7.2.2 Quantity of devices

3000 devices per reel