

ABSOLUTE MAXIMUM RATINGS (Tcase = 25° C)

Symbol	Parameter	Value	Unit V	
V _{CE}	Collector-Emitter	20		
lc	Collector Current	300	mA	
PD	Total Device Dissipation	5	W	
Тj	Junction Temperature	200	°C	
T _{stg}	Storage Temperature Range	-65 + 150	°C	

Thermal Data

R _{TH(J-C)}	Thermal Resistance Junction-case	35	°C/W
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Quality Semi-Conductors

MS2203

ELECTRICAL SPECIFICATIONS (Tcase = 25^{\circ}C) static

Symbol BV _{CEO}	T. I.O. wildland	Value			Unit	
		Test Conditions	Min.	Тур.	Max.	Unit
	l _c = 5.0 mA	I _в =0 mA	20			V
BV _{CBO}	I _c = 1.0 mA	I _E = 0 mA	50			V
BVEBO	I _E = 1.0 mA	l _c = 0 mA	3.5			V
ICES	V _{CE} = 28 V				1.0	mA
h _{FE}	V _{CE} = 5.0 V	l _c = 100 mA	15		120	

DYNAMIC

Symbol	Test Conditions		Value		
		Min.	Тур.	Max.	Unit
Роит	f = 1025 – 1150 MHz P _{IN} = 50mW	0.6	0.85		W
G _{PE}	f = 1025 – 1150 MHz P _{IN} = 50 mW	10.8	12.3		dB

Conditions: V_{CE} = 18V

lcq = 120 mA