For audio amplifier output stages / TV velocity modulation (-160V, -1.5A)

2SA1964

Features

- 1) Flat DC current gain characteristics.
- 2) High breakdown voltage. (BVcEo=-160V
- 3) High transition frequency, typically fr=150MHz
- 4) Wide SOA (safe operating area).
- 5) Complements the 2SC5248.

●Packaging specifications and hre

Туре	2SA1964
Package	TO-220FP
hre	DE
Code	_
Basic ordering unit (pieces)	500

●Absolute maximum ratings (Ta=25℃)

Parameter	Symbol	Limits	Unit	
Collector-base voltage	Vсво	-160	V	
Collector-emitter voltage	Vceo	-160	V	
Emitter-base voltage	VEBO	-5	V	
Collector current	lc	-1.5	A	
O-11t	Pc	2	W	
Collector power dissipation	Pc	20	W(Tc=25°C)	
Junction temperature	Τj	150	C	
Storage temperature	Tstg	-55~+150	°C	

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-emitter breakdown voltage	BVceo	-160	_	_	V	Ic=-1mA
Collector-base breakdown voltage	ВУсво	-160	_	_	V	Ic=-50 μ A
Emitter-base breakdown voltage	BVEBO	- 5	_	_	V	Iε=−50 μ A
Collector cutoff current	Ісво	_	_	-1	μΑ	V _{CB} =-160V
Emitter cutoff current	Ієво	_	_	-1	μΑ	V _{EB} =-4V
Collector-emitter saturation voltage	VCE(sat)		_	-1	V	Ic/Is=-1A/-0.1A
DC current transfer ratio	hre	60	_	200	_	VcE=-5V, Ic=-0.1A
Transition frequency	f⊤	_	150	_	MHz	Vc=-10V, l=-0.2A, f=100MHz
Output capacitance	Cob	_	35	_	pF	Vc8=-10V, IE=0A, f=1MHz

(SPEC-A315)

For audio amplifier output stages / TV velocity modulation (160V, 1.5A)

2SC5248

●Features

- 1) Flat DC current gain characteristics.
- 2) High breakdown voltage. (BVcEo=160V)
- 3) High transition frequency, typically fr=150MHz
- 4) Wide SOA (safe operating area).
- 5) Complements the 2SA1964.

●Packaging specifications and her

Туре	2SC5248
Package	TO-220FP
hfE	DE
Code	_
Basic ordering unit (pleces)	500

●Absolute maximum ratings (Ta=25℃)

Parameter	Symbol	Limits	Unit
Collector-base voltage	VcBo	160	V
Collector-emitter voltage	Vceo	160	V
Emitter-base voltage	VEBO	5	V
Collector current	Ic	1.5	Α
O-Market	Pc	2	w
Collector power dissipation	PC	20	W(Tc=25℃)
Junction temperature	Tj	150	O,
Storage temperature	Tstg	-55~+150	C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-emitter breakdown voltage	BVcEo	160	_	_	V	Ic=1mA
Collector-base breakdown voltage	ВУсво	160	_	_	V	Ic=50 μ A
Emitter-base breakdown voltage	BVEBO	5	_	_	V	Iε=50 μ A
Collector cutoff current	Ісво	_	_	1	μА	Vcs=160V
Emitter cutoff current	ІЕВО	_	_	1	μА	V _{EB} =4V
Collector-emitter saturation voltage	VCE(sat)	_	_	1	V	Ic/Is=1A/0.1A
DC current transfer ratio	hre	60	_	200	_	VcE=5V, Ic=0.1A
Transition frequency	f⊤	_	150	_	MHz	VcE=10V , IE=0.2A , f=100MHz
Output capacitance	Cob	_	20	_	pF	Vcs=10V, IE=0A, f=1MHz

(SPEC-C315)

