

2SC5659 / 2SC4618 / 2SC4098 /
2SC2413 / 2SC2058S

Transistors

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions	
Collector-base breakdown voltage	BV _{CB0}	40	-	-	V	I _c =50μA	
Collector-emitter breakdown voltage	BV _{CE0}	25	-	-	V	I _c =1mA	
Emitter-base breakdown voltage	BV _{EB0}	5	-	-	V	I _e =50μA	
Collector cutoff current	I _{cbo}	-	-	0.5	μA	V _{CB} =24V	
Emitter cutoff current	I _{ebo}	-	-	0.5	μA	V _{EB} =3V	
Collector-emitter saturation voltage	V _{CE(sat)}	-	0.1	0.3	V	I _c /I _e =10mA/1mA	
DC current transfer ratio	2SC5659, 2SC4618, 2SC4098, 2SC2413K 2SC2058S	h _{FE}	56	-	270	-	V _{CE} =6V, I _c =1mA
			82	-	180		
Transition frequency	f _r	150	300	-	MHz	V _{CE} =6V, I _e =-1mA, f=100MHz	
Output capacitance	C _{ob}	-	1.3	2.2	pF	V _{CB} =6V, I _e =0A, f=1MHz	