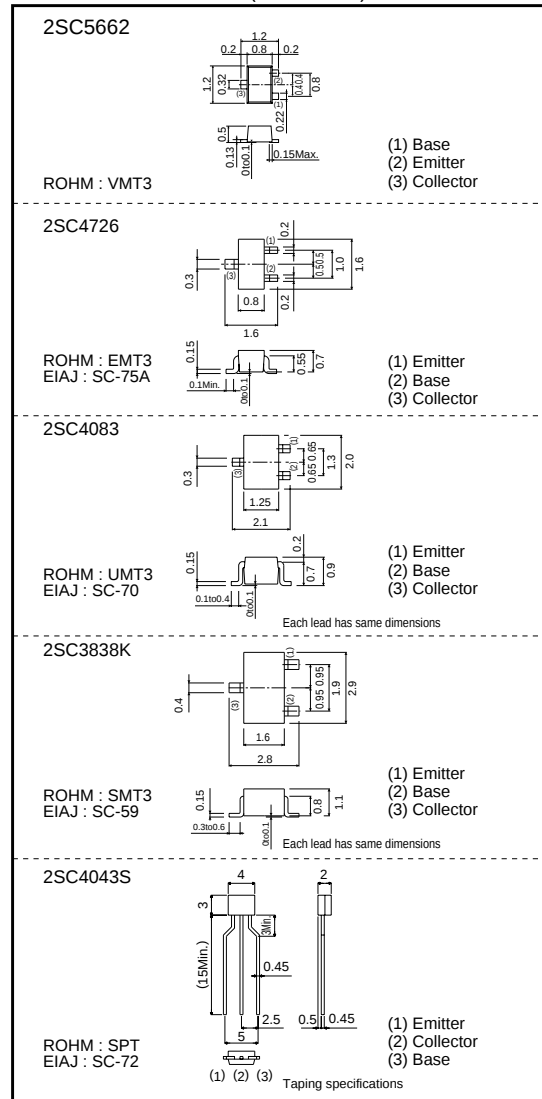


**2SC5662 / 2SC4726 / 2SC4083 /
2SC3838K / 2SC4043S**



2SC5662 / 2SC4726 / 2SC4083 /
2SC3838K / 2SC4043S

Transistors

●Absolute maximum ratings (Ta = 25°C)

Parameter		Symbol	Min.	Typ.	Max.	Unit	Conditions
Collector-base breakdown voltage		BV _{CBO}	20	—	—	V	I _C = 10μA
Collector-emitter breakdown voltage		BV _{CEO}	11	—	—	V	I _C = 1mA
Emitter-base breakdown voltage		BV _{EBO}	3	—	—	V	I _E = 10μA
Collector cutoff current		I _{CBO}	—	—	0.5	μA	V _{CB} = 10V
Emitter cutoff current		I _{EBO}	—	—	0.5	μA	V _{EB} = 2V
Collector-emitter saturation voltage		V _{CE(sat)}	—	—	0.5	V	I _C /I _B = 10mA/5mA
DC current transfer ratio	2SC5662, 2SC4726, 2SC4083, 2SC3838K	h _{FE}	56	—	180	—	V _{CE} /I _C = 10V/5mA
	2SC4043S		82	—	180		
			1.4	3.2	—	GHz	V _{CE} = 10V, I _E = 10mA, f = 500MHz
Transition frequency		f _T	1.4	3.2	—	GHz	V _{CE} = 10V, I _E = 10mA, f = 500MHz
Output capacitance		C _{ob}	—	0.8	1.5	pF	V _{CB} = 10V, I _E = 0A, f = 1MHz
Collector-base time constant		τ _{cb} ·C _c	—	4	12	ps	V _{CB} = 10V, I _C = 10mA, f = 31.8MHz
Noise factor		NF	—	3.5	—	dB	V _{CE} = 6V, I _C = 2mA, f = 500MHz, R _g = 50Ω