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Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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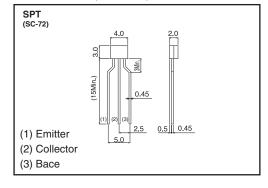
Medium Power Transistor (50V,0.5A)

2SC1741AS

Features

- 1) High current.(Ic=5A)
- 2) Low saturation voltage, typically VcE(sat)=0.1V at Ic / IB=150mA / 15mA.

• Dimensions (Unit : mm)



Packaging specifications and h_{FE}

Туре	2SC1741AS
Package	SPT
h _{FE}	QR
Marking	-
Code	TP
Basic ordering unit (pleces)	5000

Absolute maximum rationgs (Ta=25°C)

Parameter	Symbol	Limits	Unit
Collector-base voltage	V _{CBO}	50	V
Collector-emitter voltage	V _{CEO}	50	V
Emitter-base voltage	V _{EBO}	5	V
Collector current	I _c	0.5	A
Collector power dissipation	Pc	0.3	W
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-base breakdown voltage	BV _{CBO}	50	_	-	V	I _c =100μA
Collector-emitter breakdown voltage	BV _{CEO}	50	—	-	V	I _C =1mA
Emitter-base breakdown voltage	BVEBO	5	-	-	V	I _E =100μA
Collector outoff current	I _{CBO}	-	_	0.5	μΑ	V _{CB} =30V
Emitter cutoff current	I _{EBO}	-	—	0.5	μA	V _{EB} =4V
DC current rransfer ratio	h _{FE}	120	_	390	—	V _{CE} /I _C =3V/0.1A
Collector-emitter saturation voltage	V _{CE(sat)}	-	-	0.4	V	I _C /I _B =150mA/15mA
Transition frequency	f⊤	-	250	-	MHz	V_{CE} =5V , I_{E} =-20mA , f=100MHz
Output capacitance	Cob	-	6.5	—	pF	V_{CB} =10V , I_E =0A , f=1MHz

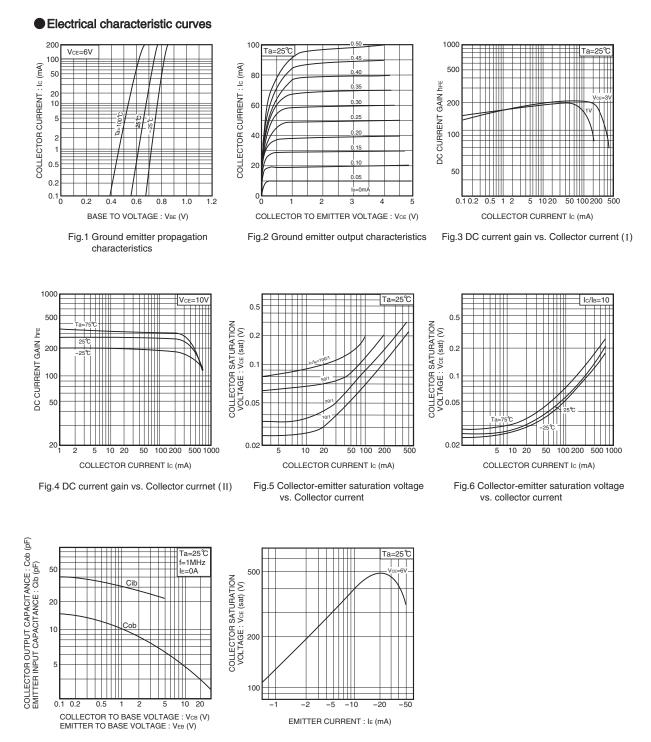
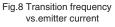


Fig.7 Input-and-output capacity vs.voltage characteristic



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