Chroma amplifier transistor (300V, 0.1A) 2SC3415S / 2SC4015

Features

- 1) High breakdown voltage. (BVcEo=300V)
- 2) Low collector output capacitance. (Typ. 3pF at VcB=30V)
- 3) Ideal for chroma circuit.

● Absolute maximum ratings (Ta=25°C)

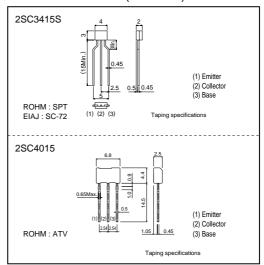
Parameter		Symbol	Limits	Unit	
Collector-base voltage		Vсво	300	V	
Collector-emitter voltage		Vceo	300	V	
Emitter-base voltage		VEBO	5	V	
Collector current		Ic	100	mA	
Collector power	ower 2SC3415S		0.3	w	
dissipation	2SC4015	Pc	1 *] "	
Junction temperature		Tj	150	°C	
Storage temperature		Tstg	-55~+150	°C	

^{*} Printed circuit board 1.7mm thick, collector plating 1cm² or larger.

● Packaging specifications and hFE

Type	2SC3415S	2SC4015
Package	SPT	ATV
hre	NP	N
Code	TP	TV2
Basic ordering unit (pieces)	5000	2500

● External dimensions (Units : mm)



● Electrical characteristics (Ta=25°C)

Parameter		Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-base breakdown voltage		ВУсво	300	-	-	V	Ic=50μA
Collector-emitter breakdown voltage		BVceo	300	-	-	V	Ic=100μA
Emitter-base breakdown voltage		ВУево	5	-	-	V	Iε=50μA
Collector cutoff current		Ісво	-	-	0.5	μА	VcB=200V
Emitter cutoff current		Ієво	-	-	0.5	μА	V _{EB} =4V
Collector-emitter saturation voltage		VcE(sat)	-	-	2	V	Ic/I _B =50mA/5mA
DC current transfer ratio	2SC3415S	hre	56	-	180	-	
	2SC4015		56	-	120	-	VcE/Ic=10V/10mA
Gain bandwidth product		f⊤	50	100	-	MHz	VcE=30V, IE=-10mA, f=100MHz
Collector output capacitance		Cob	_	3	_	pΕ	Vcs=30V, Is=0A, f=1MHz

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