

Features

- . High power gain
- · High cutoff frequency
- \cdot Small c_{ob}, c_{re}
- · Very small-sized package permitting the 2SC4400-applied sets to be made small and slim

Absolute Maximum Ratings at			unit			
Collector to Base Voltage	V _{CBO}			40	v	
Collector to Emitter Voltage	VCEO			18	v	
Emitter to Base Voltage	VEBO			3	v	
Collector Current	IC			50	mA	
Collector Dissipation	P_{C}			150	mW	
Junction Temperature	${ m Tj}$			150	°C	
Storage Temperature	Tstg		— 55 to +	150	°C	
Electrical Characteristics at Ta	min	typ	max	unit		
Collector Cutoff Current	I _{CBO}	$V_{CB} = 18V, I_E = 0$			0.1	μA
Emitter Cutoff Current	I _{EBO}	$V_{EB} = 2V, I_C = 0$			0.1	μÂ
DC Current Gain	$\mathbf{h_{FE}}$	$V_{CE} = 10V, I_C = 5mA$	60%	ŧ	270×	< T
Gain-Bandwidth Product	$\mathbf{f}_{\mathbf{T}}$	$V_{CE} = 10V, I_C = 5mA$		750		MHz
Output Capacitance	\mathbf{c}_{ob}	$V_{CB} = 10V, f = 1MHz$		0.7	1.2	\mathbf{pF}
Reverse Transfer Capacitance	c _{re}	$V_{CB} = 10V, f = 1MHz$		0.45		\mathbf{pF}
C-E Saturation Voltage	$V_{CE(sat)}$	$I_C = 10 \text{mA}, I_B = 1 \text{mA}$			0.2	v
B-C Time Constant	r _{bb} 'c _c	$V_{CE} = 10V, I_C = 5mA, f = 31.9MHz$			23	ps
Power Gain	PG	$V_{CE} = 10V, I_C = 10mA, f = 100MH$	Z	28		dB

: The 2SC4400 is classified by 5mA h_{FE} as follows.

60	3	120	90	4	180	135	5	270
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Marking : RT h_{FE} rank : 3,4,5



L₃: 1mmø enamel wire, 10mmø 3T, pitch 10mm

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