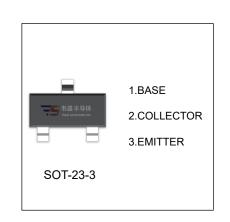


2SC2715 TRANSISTOR (NPN)

FEATURES

- High Power Gain
- Recommended for FM IF,OSC Stage and AM CONV. IF Stage.



MAXIMUM RATINGS (Ta=25℃ unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	35	V
V _{CEO}	Collector-Emitter Voltage	30	V
V _{EBO}	Emitter-Base Voltage	4	V
Ic	Collector Current -Continuous	50	mA
Pc	Collector Power Dissipation	350	mW
R _{θJA}	Thermal Resistance from Junction to Ambient	357	°C/W
T _J ,T _{stg}	Operation Junction and Storage Temperature Range	-55~+150	℃

ELECTRICAL CHARACTERISTICS (Ta=25℃ unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =10μA, I _E =0	35			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =1mA, I _B =0	30			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =10μA, I _C =0	4			V
Collector cut-off current	I _{CBO}	V _{CB} =35V, I _E =0			0.1	μA
Emitter cut-off current	I _{EBO}	V _{EB} =4V, I _C =0			0.1	μΑ
DC current gain	h _{FE(1)}	V _{CE} =12V, I _C =2mA	40		240	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =10mA, I _B =1mA			0.4	٧
Base-emitter saturation voltage	V _{BE(sat)}	I _C =10mA, I _B =1mA			1	٧
Collector output capacitance	Cob	V _{CB} =10V, I _E =0, f=1MHz			3.2	pF
Transition frequency	f _T	V _{CE} =10V, I _C =1mA	100		400	MHz
Power Gain	Gpe	V _{CE} =6V, I _C =1mA, f=10.7MHz	27		33	dB

CLASSIFIC ATION OF h FE(1)

Rank	R	0	Y
Range	40-80	70-140	120-240
Marking	RR1	RO1	RY1



