

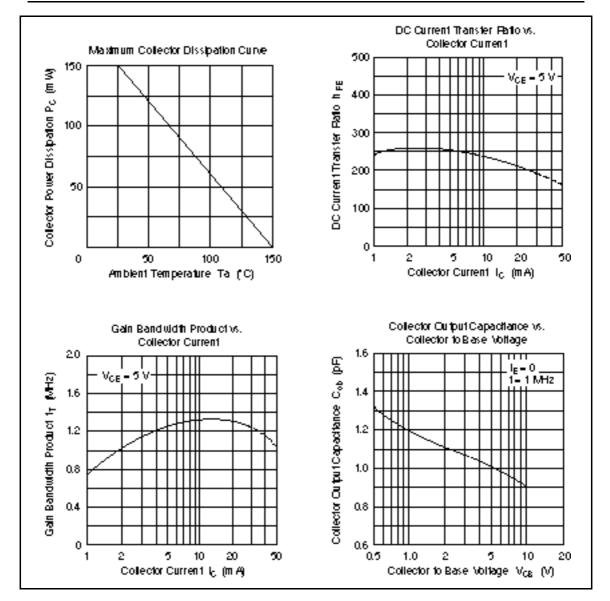
Absolute Maximum Ratings (Ta = 25° C)

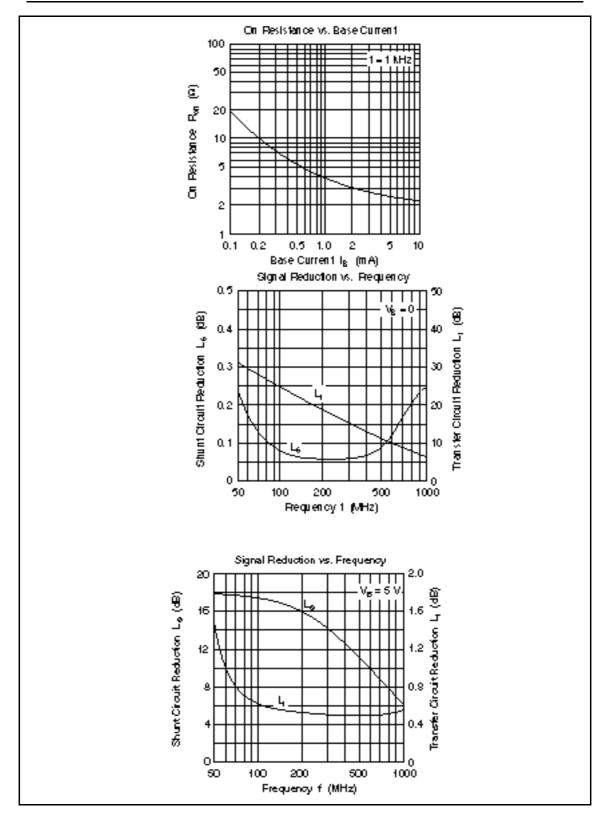
Item	Symbol	Ratings	Unit	
Collector to base voltage	V _{CBO}	12	V	
Collector to emitter voltage	V _{CEO}	8	V	
Emitter to base voltage	V _{EBO}	3	V	
Collector current	I _c	50	mA	
Collector power dissipation	P _c	150	mW	
Junction temperature	Тј	150	°C	
Storage temperature	Tstg	-55 to +150	°C	

Electrical Characteristics (Ta = 25°C)

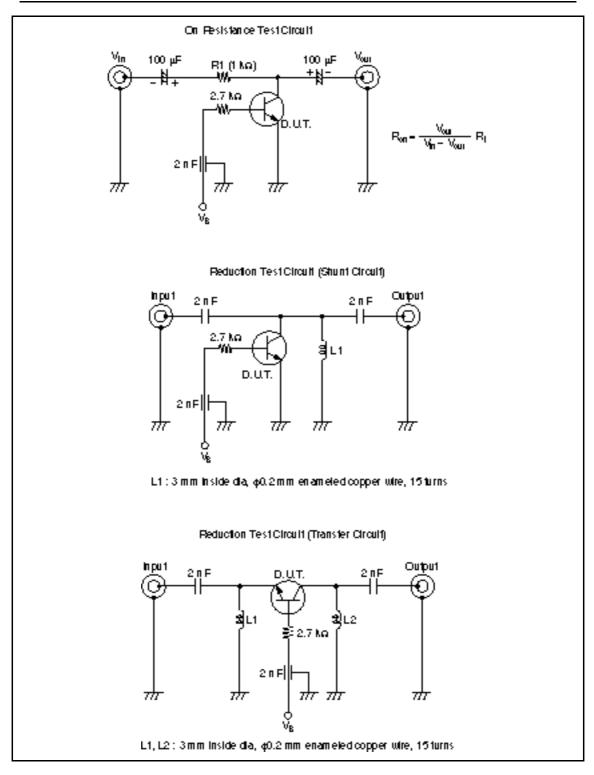
Item	Symbol	Min	Тур	Max	Unit	Test conditions
Collector to base breakdown voltage	$V_{(BR)CBO}$	12	_	_	V	$I_{c} = 10 \ \mu A, \ I_{e} = 0$
Collector cutoff current	I _{CBO}	_	_	10	μA	$V_{CB} = 12 \text{ V}, \text{ I}_{E} = 0$
	I _{CEO}	_	_	1	mA	$V_{ce} = 8 V, R_{be} =$
Emitter cutoff current	I _{EBO}	_	_	10	μA	$V_{EB} = 3 V, I_{C} = 0$
Collector to emitter saturation voltage	$V_{\text{CE(sat)}}$	—	70	100	mV	$I_{c} = 20 \text{ mA}, I_{B} = 4 \text{ mA}$
DC current transfer ratio	h_{FE}	100	250	_		V_{ce} = 5 V, I_c = 5 mA
Collector output capacitance	Cob		1.0	1.5	pF	$V_{_{CB}} = 5 \text{ V}, \text{ I}_{_{E}} = 0, \text{ f} = 1 \text{ MHz}$

Note: Marking is "XU-".





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