

■ Package Dimensions

Power Amplifier, Switching

- High DC current gain (h_{FE})
- Good linearity of DC current gain (h_{FE})
- PU3117: 3 NPN elements
- PU4117: 4 NPN elements
- PU4117: 2 NPN elements $\times$ 2 (4 elements in total)

Item	Symbol	Value	Unit
Collector-base voltage	V_{CBO}	80	V
Collector-emitter voltage	V_{CEO}	60	V
Emitter-base voltage	V_{EB0}	6	V
Peak collector current	I_{CP}	6	A
Collector current	I_{C}	3	A
Base current	I_{B}	1	A
Power dissipation	P_{D}	15	W
Junction temperature	T_{j}	150	°C
Storage temperature	T_{stg}	-55 ~ +150	°C

Item	Symbol	Condition	min.	typ.	max.	Unit
Collector cutoff current	I_{CBO}	$V_{CB} = 80V, I_E = 0$			100	μA
	I_{CEO}	$V_{CE} = 40V, I_B = 0$			100	μA
Emitter cutoff current	I_{EBO}	$V_{EB} = 6V, I_C = 0$			100	μA
Collector-emitter voltage	V_{CEO}	$I_C = 25mA, I_B = 0$	60			V
DC current gain	h_{FE}	$V_{CE} = 4V, I_C = 0.5A$	500		2500	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = 2A, I_B = 0.05A$			1	V
Transition frequency	f_T	$V_{CE} = 12V, I_C = 0.2A, f = 10MHz$		50		MHz

PU3117
 PU4117
 PU4417