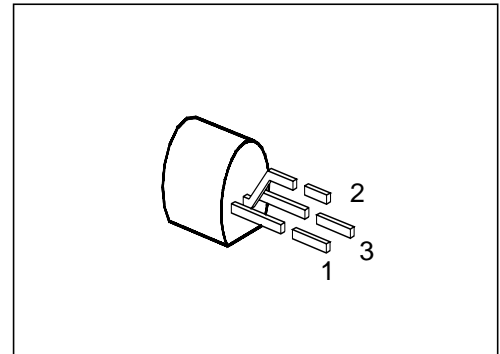


NPN Silicon Darlington Transistors

BC 617
BC 618

- High current gain
- High collector current



Type	Marking	Ordering Code	Pin Configuration			Package ¹⁾
			1	2	3	
BC 617 BC 618	–	Q62702-C1137 Q62702-C1138	C	B	E	TO-92

Maximum Ratings

Parameter	Symbol	Values		Unit
		BC 617	BC 618	
Collector-emitter voltage	V_{CE0}	40	55	V
Collector-base voltage	V_{CB0}	50	80	
Emitter-base voltage	V_{EB0}	12		
Collector current	I_C	500		mA
Peak collector current	I_{CM}	800		
Base current	I_B	100		
Peak base current	I_{BM}	200		
Total power dissipation, $T_c = 66\text{ °C}$	P_{tot}	625		mW
Junction temperature	T_j	150		°C
Storage temperature range	T_{stg}	– 65 ... + 150		

Thermal Resistance

Junction - ambient	$R_{th JA}$	≤ 200	K/W
Junction - case ²⁾	$R_{th JC}$	≤ 135	

¹⁾ For detailed information see chapter Package Outlines.

²⁾ Mounted on Al heat sink 15 mm × 25 mm × 0.5 mm.