

Surface-mount Power Transistor Array SDC09

Absolute Maximum Ratings (Ta=25°C)

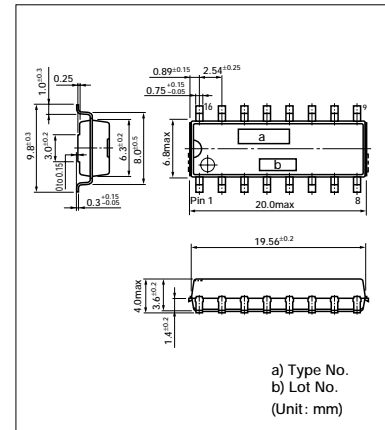
Symbol	Ratings	Unit
VcBo	65±5	V
VcEO	65±5	V
VEBO	6	V
Ic	6 (pulse 10 ⁻⁴)	A
Ib	1	A
P _T	2.8	W
T _J	150	°C
T _{stg}	-55 to +150	°C

* P_w ≤ 100μs, Duty ≤ 1%

Electrical Characteristics (Ta=25°C)

Symbol	Test Conditions	Ratings	Unit
IcBo	V _{CB} = 60V	10max	μA
IeBo	V _{EB} = 6V	10max	μA
VcEO	I _c = 50mA	60 to 70	V
hFE	V _{CE} = 1V, I _c = 1A	400 to 1500	
V _{CE(sat)}	I _c = 1.5A, I _b = 15mA	0.15max	V
V _{FEC}	I _{FEC} = 6A	1.5max	V
Es/b	L = 10mH, single pulse	80min	mJ

External Dimensions SMD-16A



Equivalent Circuit Diagram

