



Product Picture

Silicon Cap Product Description

Thermal insulation of high thermal conductivity aluminum oxide, boron nitride powder with high conductivity and high silicon rubber insulation strength with cap materials, in the premise of high thermal conductivity to ensure a high dielectric strength. Meet the radiating power transistor and insulation requirements. This product is not fixed on the transistor, and put it on transistor directly, it also can protect transistor.

Main supplier is TaiWan Pioneer

TYPICAL PROPERTY VALUES

PROPERTY	TEST METHOD	UNITS	VALUE
THICKNESS	ASTM E252	MM	0.3 ~ 0.45
COLOR			ALL
Hardness	ASTM D 2240	°C	80 ± 5°
Thermal Property			
Thermal Conductivity	ASTM E1530	W/m-K	1.38-1.9
Thermal Resistance	ASTM D5470	°C/w	0.3-0.4
THERMAL			
CONTINUOUS USE TEMP		°C	- 50 °C ~ 200 °C
ELECTRICAL			
BREAK DOWN VOLTAGE	ASTM D149	KV	2.5-7
Dielectric Constant		60 Hz	4.3
		1K Hz	4.3
		1M Hz	4.1
Dielectric Dissipation Factor		60 Hz	5×10 ⁻³
		1K Hz	4×10 ⁻³
		1M Hz	3×10 ⁻³
FLAMMABILITY			
UL FLAMMABILITY UL	UL 94		V-0