

MOSFET chip DMOST204

Description

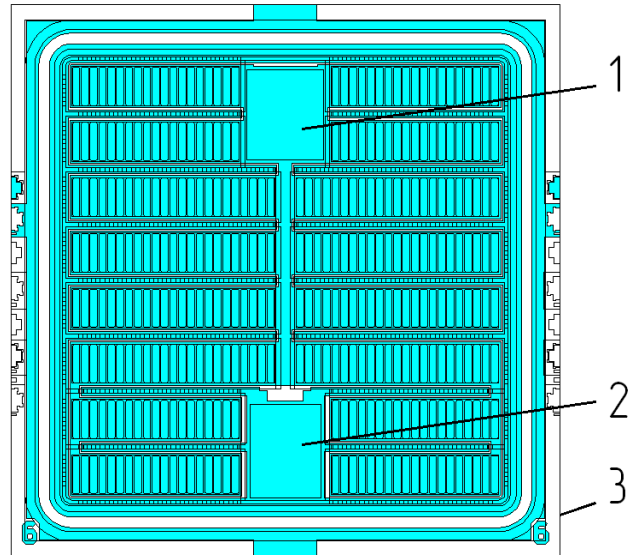
MOSFET chip with internal channel (normally-on)
DMOST204 is designed to be used in hybrid
microchips and packaged field-effect transistors.

Features

- Chip size – 1.55x1.55 mm
- Chip thickness – 0.42±0.02 mm
- Contact pads size:
Gate – 0.218 x 0.252 mm
Source – 0.2 x 0.264 mm
- Metallization: top – AlSi,
bottom – CrAu for bonding on conductive
adhesive

Absolute Maximum Ratings

Maximum Temperature	
Storage Temperature	- 55 °C to 150 °C
Operating Junction Temperature	- 40 °C to 100 °C
Maximum Voltage	
Drain-to-Source Voltage	60 V
Gate-to-Source Voltage	20 V



- 1 - Gate
- 2 - Source
- 3 - Drain

Electrical Characteristics (T_A = 25 °C)

Parameter	Symbol	Unit	Min.	Typ.	Max.	Conditions
Drain-to-Source ON-State Resistance	R _{DS}	Ohm		1.6	2.0	V _{GS} = 0 V, I _D = 300 mA
Gate Leakage Current	I _{LEAK.G}	μA			0.1	V _{GS} = -20 V
Drain Leakage Current	I _{LEAK.D}	μA		0.1	1.0	V _{GS} = -5 V, V _D = 60 V
LED Constant Forward Voltage (drain ⁻ , source ⁺)	V _{SD}	V		0.8	0.95	V _{GS} = -5 V, I _{SD} = 150 mA