



PROTON

JSC «Proton»

MOSFET chip DMOST165-01

Description

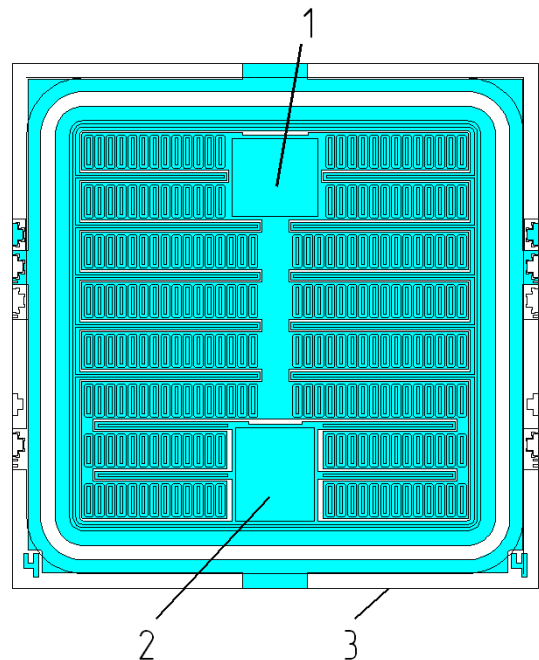
MOSFET chip with internal channel (normally-on)
DMOST165-01 is designed to be used in hybrid
microchips and packaged field-effect transistors.

Features

- Chip size – 1.44 x 1.44 mm
- Chip thickness – 0.42±0.02 mm
- Contact pads size:
Gate – 0.23 x 0.21 mm
Source – 0.22 x 0.25 mm
- Metallization: top – AlSi,
bottom – CrAu for bonding on
conductive adhesive

Absolute maximum rating

Maximum Temperature	
Storage Temperature	- 55 °C to 150 °C
Operating Junction Temperature	- 40 °C to 100 °C
Maximum Voltage	
Drain-to-Source Voltage	370 V
Gate-to-Source Voltage	20 V



- 1 - Gate
2 - Source
3 - Drain

Electrical Characteristics ($T_A = 25\text{ °C}$)

Parameter	Symbol	Unit	Min.	Typ.	Max.	Conditions
Drain-to-Source ON-State Resistance	R_{DS}	Ohm			25	$V_{GS} = 0\text{ V}$, $I_D = 100\text{ mA}$
Drain Leakage Current	$I_{LEAK,D}$	μA			0.1	$V_{GS} = -4\text{ V}$, $V_{DS} = 350\text{ V}$
Gate Leakage Current	$I_{LEAK,G}$	μA			0.1	$V_{GS} = -20\text{ V}$
LED Constant Forward Voltage (drain ⁻ , source ⁺)	V_{SD}	V			1.0	$V_{GS} = -4.5\text{ V}$, $I_S = 150\text{ mA}$