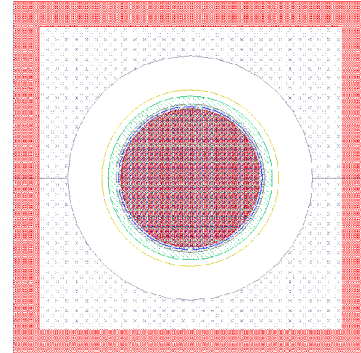


## 2KG028075JL SWITCHING DIODE CHIPS

### DESCRIPTION

- 2KG028075JL is a high speed switching diode chip fabricated in planar technology.
- This chip can be encapsulated as 1N4148 switching diode.
- This chip has several thicknesses, can suit for different plastic package. The top electrodes material is Al, and the back-side electrodes material is Au.
- Chip size: 0.28 X 0.28 (mm<sup>2</sup>).



2KG028XXX CHIP TOPOGRAPHY

### 2KG028075JL ELECTRICAL CHARACTERISTICS (T<sub>J</sub>=25°C)

Characteristics	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =10mA.	--	--	1.0	V
		I <sub>F</sub> =100mA.	0.62	0.9	1.2	V
Reverse voltage	V <sub>BR</sub>	I <sub>B</sub> =100μA.	100	120	--	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =20V.	--	--	25	nA
		V <sub>R</sub> =75V.	--	--	5	μA
Diode Capacitance	C <sub>d</sub>	f=1MHz; V <sub>R</sub> =0.	--	1.9	4	pF
Reverse Recovery Time	t <sub>rr</sub>	When switched from I <sub>F</sub> =10mA to V <sub>R</sub> =6V; R <sub>L</sub> =100Ω; measured at I <sub>R</sub> =1mA.	--	--	4	ns