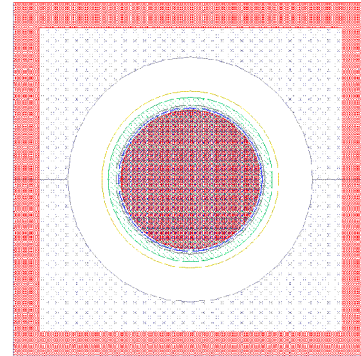


2KG026075YQ SWITCHING DIODE CHIPS

DESCRIPTION

- 2KG026075YQ is a high speed switching diode chip fabricated in planar technology.
- This chip can be encapsulated as 1N4148 switching diode.
- When the chip is selected glass package, the chip thickness is 100μm, and the top electrodes material is Ag bump, the back-side electrodes material is Ag.
- Chip size: 0.26 X 0.26 (mm)².



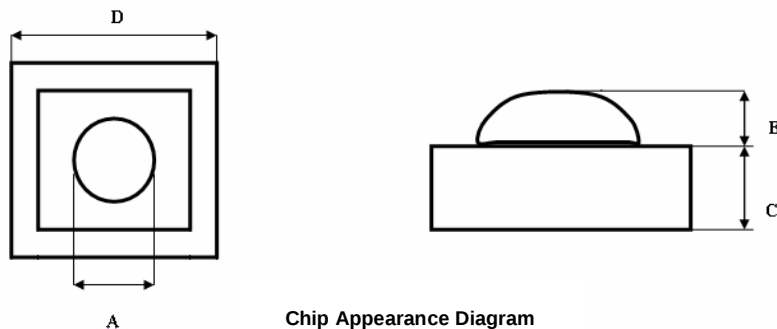
2KG026XXX CHIP TOPOGRAPHY

2KG026075YQ ELECTRICAL CHARACTERISTICS (T_J=25°C)

Characteristics	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =10mA.	--	--	1.0	V
		I _F =100mA.	0.62	0.9	1.2	V
Reverse Voltage	V _{BR}	I _B =100μA.	100	120	--	V
Reverse Current	I _R	V _R =20V.	--	--	25	nA
		V _R =75V.	--	--	5	μA
Diode Capacitance	C _d	f=1MHz; V _R =0.	--	1.9	4	pF
Reverse Recovery Time	t _{rr}	When switched from I _F =10mA to V _R =6V; R _L =100Ω; measured at I _R =1mA.	--	--	4	ns

2KG026075YQ APPEARANCE (Top side material is Ag ball)

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Chip Appearance Diagram

Parameter	Symbol	Min.	Type	Max.	Unit
Chip Size	D	220	--	240	μm
Chip Thickness	C	85	--	120	μm
Bump Diameter	A	135	--	160	μm
Bump Height	B	20	--	40	μm
Scribe Line Width	/	--	40	--	μm