

P6KE100CA, P6KE10A, P6KE10CA, P6KE110A, P6KE110CA, P6KE11A, P6KE11CA, P6KE120A, P6KE120CA, P6KE12A, P6KE12CA, P6KE130A, P6KE130CA, P6KE13A, P6KE13CA, P6KE150A, P6KE150CA, P6KE15A, P6KE15CA, P6KE160A, P6KE160CA, P6KE16A, P6KE16CA, P6KE170A, P6KE170CA, P6KE180A, P6KE180CA, P6KE18A, P6KE18CA, P6KE200A, P6KE200CA, P6KE20A, P6KE20CA, P6KE220A, P6KE220CA, P6KE22A, P6KE22CA, P6KE24A, P6KE24CA, P6KE250A, P6KE250CA, P6KE27A, P6KE27CA, P6KE300A, P6KE300CA, P6KE30A, P6KE30CA, P6KE33A, P6KE33CA, P6KE350A, P6KE350CA, P6KE36A, P6KE36CA, P6KE39A, P6KE39CA, P6KE400A, P6KE400CA, P6KE43A, P6KE43CA, P6KE47A, P6KE47CA, P6KE51A, P6KE51CA, P6KE56A, P6KE56CA, P6KE62A, P6KE62CA, P6KE68A, P6KE68CA, P6KE6V8A, P6KE6V8CA, P6KE75A, P6KE75CA, P6KE7V5A, P6KE7V5CA, P6KE82A, P6KE82CA, P6KE8V2A, P6KE8V2CA, P6KE91A, P6KE91CA, P6KE9V1A, P6KE9V1CA

P6KExx(C)A-13

Weight (mg): 400

Element	Material Group	Materials	CAS (if applicable)	Average mass homogeneous Material(%)	Percent of whole (%)	Mass (mg)	ppm Homogeneous Material	ppm overall
Chip	Silicon w/Metal	Si	7440-21-3	96.52%	0.29	1.15	965200	2775
		PbO	1317-36-8	2.52%			25200	72
		Ni	7440-02-0	0.96%			9600	28
Solder Paste	RoHS Exempt High Temperature	Pb(92.5%)	7439-92-1	92.50%	1.20	4.8	925000	11100
		Sn(5%)	7440-31-5	5.00%			50000	600
		Ag(2.5%)	7440-22-4	2.50%			25000	300
		Cu	7440-70-8	99.99%			999922	704945
Axial Lead	Copper Alloy	Ag	7440-22-4	0.00%	70.50	282	24	17
		Zn	7440-66-6	0.00%			20	14
		S	7704-34-9	0.00%			14	10
		P	7723-14-0	0.00%			10	7
		Fe	7439-89-6	0.00%			10	7
		Si	14808-60-7	70.00%			700000	189088
Encapsulation	Epoxy	Polymer with 1-chloro-2,3-epoxypropane and formaldehyde (10~20%)	29690-82-2	15.00%	27.01	108.05	150000	40519
		Phenol-formaldehyde polymer (5~15%)	9003-35-4	10.00%			100000	27013
		Sb2O3 (0~5%)	1309-34-4	2.50%			25000	6753
		TBBA-diglycidyl-ether oligomer (0~5%)	40039-93-8	2.50%			25000	6753
		Fe	7439-89-6	0.00%			10	7
Lead Plating Finish	Tin Solder	Sn (>99.5%)	7440-31-5	100.00%	1.00	4	1000000	10000
				Total	100.00	400.00		1000000

Tolerance ±10%

This data is based on information provided by our suppliers. We believe it to be correct but do not routinely validate it by measurement. It is for guidance only and Diodes Inc. does not guarantee its absolute accuracy or completeness

* The Silicon Chip is doped at atomic levels with trace amounts of elements that may include Phosphorus, Boron, Arsenic, and other elements. Metalization may include Titanium, Nickel, Aluminum, Silver or Gold. These substances are not reported where their concentration is less than the minimum reportable level per the guidelines specified in the Tables of EIA JIG-101, *Material Composition Declaration for Electronic Products*.

This product or product family does not contain any of the following substances except as CURRENTLY exempted by ELV II and RoHS and reported above:

<p>Ozone Depleting Substances - Class I (CFCs, HBFCs, etc.)</p> <p>Asbestos</p> <p>Azo compounds</p> <p>Cadmium and cadmium compounds</p> <p>Certain Shortchain Chlorinated Paraffins</p> <p>Chlorinated organic compounds</p> <p>Hexavalent chromium compounds</p> <p>Lead and lead compounds</p> <p>Mercury and mercury compounds</p> <p>Organic tin compounds</p>	<p>Ozone Depleting Substances - Class II (HCFCs)</p> <p>Perfluorooctane Sulphonate (PFOS) or related compounds</p> <p>Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE) including DecaBDE</p> <p>Polychlorinated Biphenyls (PCBs)</p> <p>Polychlorinated Naphthalenes (> 3 chlorine atoms)</p> <p>Radioactive Substances</p> <p>Tributyl Tin (TBT) and Triphenyl Tin (TPT)</p> <p>Tributyl Tin Oxide (TBTO)</p>
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This product or product family meet REACH requirements for chemicals designated by the European Chemicals Agency (ECHA) as Substances of Very High Concern (SVHC) appended below:

<p>Anthracene</p> <p>4,4'- Diaminodiphenylmethane</p> <p>Dibutyl phthalate (DBP)</p> <p>Cyclododecane</p> <p>Cobalt dichloride</p> <p>Diarsenic pentaoxide</p> <p>Diarsenic trioxide</p> <p>Sodium dichromate, dihydrate</p>	<p>Bis (2-ethyl(hexyl)phthalate) (DEHP)</p> <p>Hexabromocyclododecane (HBCDD)</p> <p>Bis(tributyltin)oxide (TBTO)</p> <p>Lead hydrogen arsenate</p> <p>Triethyl arsenate</p> <p>Benzyl butyl phthalate (BBP)</p> <p>5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)</p> <p>Alkanes, C10-13, chloro (SCCPs - Short Chain Chlorinated Paraffins)</p>
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RoHS Exemptions 5 for Pb in glass and 7a for Pb in High Temperature, High %Pb in Solder are applied.