

Part Number: **BZX84CxxS-p-F (Date Code 0740+)**  
Weight (mg): 6

p = package designator  
See Data Sheet

XX= 10, 11, 12, 13, 15, 16, 18, 20, 22, 24, 27, 2V4,  
2V7, 30, 33, 36, 39, 3V0, 3V3, 3V6, 3V9, 4V3,  
4V7, 5V1, 5V6, 6V2, 6V8, 7V5, 8V2, 9V1

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	Doped Silicon*	7440-21-3	100.00%	1.98%	0.1142	1000000	19759
Leadframe	Alloy 42	Fe	7439-89-6	57.65%	33.98%	1.9641	576500	195910
		Ni	7440-02-0	41.00%			410000	139329
		Mn	7439-96-5	0.60%			6000	2039
		Cr(not Cr 6+)	7440-47-3	0.10%			1000	340
		Co	7440-48-4	0.50%			5000	1699
		Si	7440-21-3	0.15%			1500	510
Leadframe Plating	Silver	Silver	7440-22-4	100.00%	1.05%	0.0606	1000000	10485
Bond Wire	Gold Wire	Gold	7440-57-5	100.00%	0.28%	0.0164	1000000	2838
Encapsulation	KTMC-1050G	SiO2	60676-86-0	69.00%	61.47%	3.5526	690000	424121
		Epoxy Resin	29690-82-2	14.00%			140000	86054
		Phenol Resin	9003-35-4	7.00%			70000	43027
		Mg(OH)2	1309-42-8	8.00%			80000	49173
		C	1333-86-4	0.20%			2000	1229
		others	----	1.80%			18000	11064
		Tin	7440-31-5	100.00%			1.24%	0.0718
				<b>Total</b>	<b>100.00</b>	<b>5.7797</b>		<b>1000000</b>

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:

Asbestos	Ozone Depleting Substances - Class I (CFCs, HBFCs, etc.)
Azo compounds	Ozone Depleting Substances - Class II (HCFCs)
Cadmium and cadmium compounds	Perfluorooctane Sulphonate (PFOS) or related compounds
Certain Shortchain Chlorinated Paraffins	Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE) including <b>DecaBDE</b>
Chlorinated organic compounds	Polychlorinated Biphenyls (PCBs)
Hexavalent chromium compounds	Polychlorinated Naphthalenes (> 3 chlorine atoms)
Lead and lead compounds	Radioactive Substances
Mercury and mercury compounds	Tributyl Tin (TBT) and Triphenyl Tin (TPT)
Organic tin compounds	Tributyl Tin Oxide (TBTO)