

XX= 10, 11, 12, 13, 15, 16, 18, 20, 22, 24, 27, 2V0, 2V4, 2V7, 30, 33, 36, 39, 3V0, 3V3, 3V6, 3V9, 4V3, 4V7, 5V1, 51, 5V6, 6V2, 6V8, 7V5, 7V8, 8V2, 9V1 Part Number: BZT52CxxS-p-F p = package designator Weight (mg): 5.263 (HF Date Code 0832+)

Til Bate Gode 90021)				872, 971					
Element	Material Group	Materials	CAS (if applicable)	Average mass homogeneous Materal(%)			ppm Homogeneous Material	ppm overall	
Chip	Silicon w/Metal	Doped Silicon*	7440-21-3	100.00%	0.01	0.0676	1000000	1288	
Leadframe		Fe	7439-89-6	57.65%	0.24	1.2809	576500	14072	
		Ni	7440-02-0	41.00%			410000	10008	
	Alloy 42	Mn	7439-96-5	0.60%			6000	146	
	Alloy 42	Cr(not Cr 6+)	7440-47-3	0.10%			1000	24	
		Co	7440-48-4	0.50%			5000	122	
		Si	7440-21-3	0.15%			1500	36	
Leadframe Plating	Silver	Silver	7440-22-4	100.00%	0.01	0.0505	1000000	962	
Bond Wire	Gold Wire	Gold	7440-57-5	100.00%	0.00	0.0076	1000000	144	
Encapsulation		SiO2	60676-86-0	69.00%	0.70	3.6866	690000	48477	
		Epoxy Resin	29690-82-2	14.00%			140000	9836	
	KTMC-1050G	Phenol Resin	9003-35-4	7.00%			70000	4918	
	K1MC-1050G	Mg(OH)2	1309-42-8	8.00%			80000	5620	
		C	1333-86-4	0.20%			2000	140	
		others		1.80%			18000	1264	
ead Plating Finish	Matte Tin	Tin	7440-31-5	100.00%	0.03	0.1541	1000000	2936	
				Total	100.00	5.2473		100000	

±10% Tolerance

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

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

Control of the Contro

Animony compounds
Ashestos
Azo compounds
Cadmium and cadmium compounds
Certain Shortchain Chlorianted Paraffins
Chlorianted organic compounds
Heavayeant chronium compounds
Heavayeant chronium compounds

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:

This product of product ran Antarcane 4.4\*- Diaminodiphenylmethane Dibutyl phthalate (DBP) Cyclododecane Cobalt dichloride Diarsenic pentaoxide Diarsenic trioxide Sodium dichromate, dibydrate European (nemcass Agency (EC+P4) as Substances of veri Bis C-dephlestylphihalaus (DEBP) Heastenoscyclodoccase (BEDD) Bistrobaphinoscole (EBD) Lead bytogea menuse Triefold areases Europ than yiphthalaus (BBP) Surch hogh (2, African bay (hear (mask xylene) Alkanes, CI0-13, chloro (SCCPs - Stort Chain Chlorinated Paraffino)

Part Number: BZT52CxxS-p-F Weight (mg): 5.263 (HF Date Code 0850+)

(FII Date ood	6V2, 9V I							
Element	Material Group	Materials	CAS (if applicable)	Average mass homogeneous Materal(%)		Mass (mg)	ppm Homogeneous Material	ppm overall
Chip	Silicon w/Metal	Doped Silicon*	7440-21-3	100.00%	0.01	0.0676	1000000	1288
Leadframe		Fe	7439-89-6	57.65%	0.24	1.2809	576500	14072
	Alloy 42	Ni	7440-02-0	41.00%			410000	10008
		Mn	7439-96-5	0.60%			6000	146
	Alloy 42	Cr(not Cr 6+)	7440-47-3	0.10%			1000	24
		Co	7440-48-4	0.50%			5000	122
		Si	7440-21-3	0.15%			1500	36
Leadframe Plating	Silver	Silver	7440-22-4	100.00%	0.01	0.0505	1000000	962
Bond Wire	Copper Wire	Cu	7440-50-8	100.00%	0.00	0.0055	1000000	144
Encapsulation	KTMC-1050G	SiO2	60676-86-0	69.00%	0.70	3.7002	690000	48477
		Epoxy Resin	29690-82-2	14.00%			140000	9836
		Phenol Resin	9003-35-4	7.00%			70000	4918
		Mg(OH)2	1309-42-8	8.00%			80000	5620
		С	1333-86-4	0.20%			2000	140
		others		1.80%			18000	1264
ead Plating Finish	Matte Tin	Tin	7440-31-5	100.00%	0.03	0.1541	1000000	2930
				Total	100.00	5.2588		99993

Tolerance ±10%

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" 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 Titaniun 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

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:

Aminony compounds
Aminony compounds
Anhestos
Ano compounds
Certain Shortchain Chlorianted Paraffirs
Chorinated organic compounds
Halogens
Chorinated expensive compounds
Halogens
Mercury and mercury compounds
Lead and lead compounds
Mercury and mercury compounds
Mercury and mercury compounds Control of the Contro

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:

urupean (CHA) as Substances of Ver Bis (2-deph/dex-pildania) (DBBP) Heubenoux-pickolot-care (BBCDD) Bischrebn tipinoside (BBP) European ureause Trickyla incasae Bensyl buy) pithaliae (BBP) Serb buy)-24.6 critisino a-sylvate (mask xylene) Allams, (10-13, follon (SCCP) - Short Chain Chlorianted Paraffinia) Anthracene
4,4\*- Diaminodiphenylmethane
Dibutyl phthalate (DBP)
Cyclododecane
Cobalt dichloride

<sup>\*</sup> 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, Nickal, 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 Eta Il-G-101, Il-derinal Composition Declaration for Electronic Products: