



BC846xW-p-F, BC847xW-p-F, BC848xW-p-F Part Number: BC856xW-p-F, BC857xW-p-F, BC858xW -p-F

Weight (mg): p=package designator (HF Date Code Limited) See Data Sheet

x = A, B or C

(The Date Code Limited)			OCC Date	oee Data Offeet				
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%	0.97	0.06	1000000	965
Leadframe		Fe	7439-89-6	57.65%	26.78	1.67	576500	15436
		Ni	7440-02-0	41.00%			410000	10978
	Alloy 42	Mn	7439-96-5	0.60%			6000	160
	Alloy 42	Cr(not Cr 6+)	7440-47-3	0.10%			1000	26
		Co	7440-48-4	0.50%			5000	133
		Si	7440-21-3	0.15%			1500	40
Leadframe Plating	Silver	Silver	7440-22-4	100.00%	1.01	0.06	1000000	1010
Bond Wire	Copper Wire	Cu	7440-50-8	100.00%	0.18	0.01	1000000	184
Encapsulation		SiO2	60676-86-0	87.30%	67.43	4.20	873000	58869
		Epoxy Resin	29690-82-2	5.00%			50000	3371
	CEL-1702HF-9	Phenol Resin	26834-02-6	5.00%			50000	3371
		Aromatic poly-phosphate		2.50%			25000	1685
		С	1333-86-4	0.20%			2000	134
Lead Plating Finish	Matte Tin	Tin	7440-31-5	100.00%	3.63	0.23	1000000	3629
		_		Total	100.00	6.22		100000

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

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

Antimony Compounds Azo compounds Cadmium and cadmium compounds

Certain Shortchain Chlorinated Paraffins Chlorinated organic compounds

Halogens Hexavalent chromium compounds Lead and lead compounds

Mercury and mercury compounds

REACH SVHCs: Anthracene

4,4'- Diaminodiphenylmethane

Dibutyl phthalate Cyclododecane Cobalt dichloride Diarsenic pentaoxide Diarsenic trioxide

Sodium dichromate, dihydrate

Organic tin compounds

Ozone Depleting Substances - Class I (CFCs, HBFCs, etc.) Ozone Depleting Substances - Class II (HCFCs)

Perfluorooctane Sulphonate (PFOS) or related compounds

Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE) including DecaBDE

Polychlorinated Biphenyls (PCBs)

Polychlorinated Naphthalenes (> 3 chlorine atoms)

Radioactive Substances

Tributyl Tin (TBT) and Triphenyl Tin (TPT) Tributyl Tin Oxide (TBTO)

5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)

Bis (2-ethyl(hexyl)phthalate) (DEHP) Hexabromocyclododecane (HBCDD)

Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)

Bis(tributyltin)oxide Lead hydrogen arsenate Triethyl arsenate Benzyl butyl phthalate

^{*} 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 o EIA JIG-101, Material Composition Declaration for Electronic Products.