

ON Semiconductor			10/15/2019	
Base Part		MBR5H100MFS	HF	
Orderable Part		MBR5H100MFST3G	Total weight (mg)	131.475
Homogenous Material	Weight (mg)	Substance in Mat.	CAS #	% Avg. Weight
Die	1.713	Silicon (Si)	7440-21-3	100
Die Attach Solder	11.9	Silver (Ag)	7440-22-4	2.5
		Lead (Pb)	7439-92-1	92.5
		Tin (Sn)	7440-31-5	5
Lead Frame	69.776	Silver (Ag)	7440-22-4	0.06
		Iron (Fe)	7439-89-6	0.1
		Copper (Cu)	7440-50-8	99.81
		Phosphorus (P)	7723-14-0	0.03
Mold Compound-Black	47.136	Phenolic Resin	n/a	5
		Epoxy + Phenol Resin	n/a	7
		Carbon Black (C)	1333-86-4	0.5
		Fused Silica (SiO2)	60676-86-0	87.5
Plating	0.95	Tin (Sn)	7440-31-5	100
<p><b>Materials Disclosure Disclaimer:</b> Even though all possible efforts have been made to provide you with the most accurate information, we cannot guarantee to its accuracy since the data has been compiled based on the ranges provided, and some information provided by the subcontractors and raw material suppliers may have been withheld to protect their business proprietary information. Thus this information is provided only as estimates, and do not include trace levels fo dopants and metal materials contained within silicon devices in the finished products. There is no intentional use of Mercury, Hexavalent Chromium, Cadmium, PBB or PBDE (5 of the 6 RoHS banned substances) in this or any of our other products. For further explanation on material composition calculations, please view our Product Chemical Content Brochure at:</p> <p><a href="http://www.onsemi.com/pub/Collateral/BRD8022-D.PDF">http://www.onsemi.com/pub/Collateral/BRD8022-D.PDF</a></p>				