



**Laboratory for Chemical Production
in Electronic Industry**

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Technical Data Sheet	Sn95,5Ag3,8Cu0,7 P
Product name: Solder MARMOT® Sn95,5Ag3,8Cu0,7 P	
Description and key properties:	
<ul style="list-style-type: none"> • Patented lead-free (RoHS) solder MARMOT® designed for soft soldering in electronics • Extremely expensive due to presence of Silver in solder • Soldered joints reach high glossy surface • Moderately lower working temperature • Silver presence improves ductility and moderately decrease the temperature of melting of the solder • Content of Phosphorus increase fluidity and reduces oxidization 	

Technical specification		Sn95,5Ag3,8Cu0,7 P				
Commercial Name:		Solder bar MARMOT® Sn95,5Ag3,8Cu0,7 P				
Supplied and shaped as bar or wire without flux. Manufactured according to MARMOT® patented invention.						
Diameter and Package:		0,5/0,8/1/1,5/2/3	mm	Reel	100/250	g
Fully complies EU directive RoHS				Reel	0,5/1/6	Kg
	List of components:	alloyed			content range	
			U	min.	max.	U
Ag	Silver	3,80	%	3,500	4,000	%
Bi	Bismuth		%	0,000	0,050	%
Fe	Iron		%	0,000	0,020	%
P	Phosphorus	0,10	%	0,020	0,200	%
Sb	Antimony		%	0,000	0,050	%
Al	Aluminium		%	0,000	0,001	%
Cd	Cadmium		%	0,000	0,002	%
In	Indium		%	0,000	0,050	%
Pb	Lead		%	0,000	0,049	%
As	Arsenic		%	0,000	0,010	%
Cu	Copper	0,70	%	0,600	0,790	%
Ni	Nickel		%	0,000	0,020	%
Zn	Zinc		%	0,000	0,001	%
Sn	Tin	95,40	%	rest	rest	%
	Melting point:	218–219	°C			
	Working temperature*:	270	°C			
Working temperature is the temperature when fluidity is the best for soldering						