



* all dimension in mm

Section A-A

Halogen bulb	
HB1 12V 65/45W Long Life	
Cap:	¹⁾ P29t
Type: 9004LL	
ECE R37	None
FMVSS 108	DOT
Bulb mat,: Hardglass	

Technical data		FMVSS 108
Test voltage		12.8V
Power	DBF	70Wmax
	PBF	50Wmax
Luminous flux	DBF	1200lm ±15%
	PBF	700lm ±15%
Lumen maintenance		
175hr after DBF		90 % min
595hr after PBF		90 % min
Rated life:		²⁾³⁾ at 14.0V
	DBF	250 h average
	PBF	850 h average
Maximum operating temperature:		1:bulb 650°C max
		2:pinch 400°C max
Vibration resistance acc. to IEC 60810 Annex B; table B.2		> 20h

1) According to IEC 60061-1 sheet 7004-66-1
 2) According to SAE J 1383 Annex 5.20
 3) Switching cycle according to SAE J 1383 5.20.2
 4) According to IEC 60810 Annex A
 5) Switching cycle according to IEC 60810 Annex A;4.1.1
 6) Switching cycle according to IEC 60810 Annex A;4.1.2
 7) Switching cycle according to IEC 60810 Annex A;4.2