

H1 RA 12V 100W P14,5s

Product basic information

CHARACTERISTICS	VALUE
Technology	Halogen 1-Filament
Product type	H1
Additional name	RA
Product type number	12454
Rated voltage	12V
Rated wattage	100W
Base/Cap	P14,5s
Net weight	5.950 g

Additional product information

PARAMETER	SC	DESCRIPTION	COMMENT / INSTRUCTION
Comments		Heyue project, will remain from OM, no need for new Songzi 10NC	
Aging		1h with Test voltage	No bursts are allowed

Regulations

PARAMETER	SC	DESCRIPTION	COMMENT / INSTRUCTION
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Photometry - Conditions - IPR

PARAMETER	SC	DESCRIPTION	COMMENT / INSTRUCTION
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Photometry - General/ECE

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
Stable time		2 min	-	with test voltage
Test voltage 1		13,2 V	-	
Power input		100 W	±10%	
Luminous flux		2500 V	±15%	
1. Lumen maintenance		90 %	-	at 37,5h



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1

Photometry - DOT

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
Photometry Test voltage		13,2 V	-	

Lifetime - Conditions - General/ECE - IPR

PARAMETER	SC	DESCRIPTION	COMMENT / INSTRUCTION
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Lifetime - Conditions - DOT - IPR

PARAMETER	SC	DESCRIPTION	COMMENT / INSTRUCTION
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Lifetime - General/ECE

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
Lifetime Test voltage		13,2 V	-	AC or DC
Lifetime B3		20 h	min.	
Lifetime Tc		50 h	min.	

Lifetime - DOT

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
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Color - Conditions - General/ECE - IPR

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
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Color - General/ECE

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
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Color - DOT

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
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Limits - DOT

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
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Limits - General/ECE

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
Limit Overvoltage		10 %	max.	
Max. operating temp. of BCN		400 °C	-	
Max. operating temp. of tube		900 °C	-	

Type Test

PARAMETER	SC	DESCRIPTION	COMMENT / INSTRUCTION
Burst / pressure test		Included	
Explosion test		Included	
Vibration test		Standard NBRV + WBRV	

Validation tests


PARAMETER	SC	DESCRIPTION	COMMENT / INSTRUCTION
Bounce test		Only for commercial packaging	

Geometry - Outside dimensions - Halogen 1-Filament

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
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Geometry - Inside dimensions - Halogen 1-Filament

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
a1		1,40d mm	-	
a2		1,90d mm	-	
b1		0,25 mm	-	
b2		0,25 mm	-	
c1		6 mm	-	
c2		4,7 mm	-	
F Coil		1,6 mm	-	
e		25 mm	±0,25	
ε		45 mm	±12	Standard bulb tolerance ±3°
f		5,3 mm	±0,50	
g		0,5d mm	±0,5d	
h1 (0°/90°)		0 mm	±0,32	Standard bulb tolerance ±0,20
h2 (0°/90°)		0 mm	±0,72	Standard bulb tolerance ±0,25

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Environmental characteristics

PARAMETER	SC	DESCRIPTION	COMMENT / INSTRUCTION
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Release dates

ROLE	DATE	NAME	COMMENT / SIGNATURE
Creator	2019-11-05	Industrial Editor	
Validator	2019-11-05	Industrial Validator	
Approver	2019-11-05	Industrial Approver	