

H3fit RA 12V 100W PK22s

Product basic information

CHARACTERISTICS	VALUE
Technology	Halogen 1-Filament
Product type	H3fit
Additional name	RA
Product type number	12455
Rated voltage	12V
Rated wattage	100W
Base/Cap	PK22s
Net weight	7.000 g

Additional product information

PARAMETER	SC	DESCRIPTION	COMMENT / INSTRUCTION
Aging		1h with Test voltage	

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	+1	with test voltage
Test voltage 1		13,2 V	-	
Power input		100 W	±8%	
Luminous flux		2900 V	±15%	
1. Lumen maintenance		90 %	-	at 38h



Product Requirement Sheet
PRS – H3fit RA 12V 100W PK22s

Released /
Draft

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Effective Date
2019-10-15

Revision No.:
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	-	
Lifetime B3		40 h	-	
Lifetime Tc		100 h	-	

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
Max. operating temp. of BCN		400 °C	max.	
Max. operating temp. of tube		800 °C	max.	

Type Test

PARAMETER	SC	DESCRIPTION	COMMENT / INSTRUCTION
Burst / pressure test		min. 50 kg/P	
Vibration test		WBRV	IEC 60810

Validation tests

PARAMETER	SC	DESCRIPTION	COMMENT / INSTRUCTION
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Geometry - Outside dimensions - Halogen 1-Filament

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
D2		11,5 mm	max.	
L2		32 mm	max.	

Geometry - Inside dimensions - Halogen 1-Filament

PARAMETER	SC	VALUE	TOL	COMMENT / INSTRUCTION
a		5,5 mm	min.	
e		18 mm	±0,50	
ε		80 mm	max.	ECE-R37
f		5 mm	±0,50	
h1, h3 (0°/90°)		0 mm	±0,55	
h2, h4 (0°/90°)		0 mm	±0,55	

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	