INFRARED ELEMENTS IN QUARTZ QT – QUARTZ TUNGSTEN ELEMENT

Properties

The standard range of quartz halogen infrared heating elements in stock are used in a wide range of industrial and engineering applications such as thermoforming, powder paint, pre-lacquering, sublimation, pasteurisation, printing, drying, gluing, sterilisation, roasting etc.

Quartz halogen elements heats up and cool down within seconds making them particularly suitable for systems requiring a very fast thermal response and short cycle times.
Heat output is also very high making these heaters useful in high heat demand or in fast moving processes like paper processes etc.

Technical specification

Material	Quartz glass tubes dia. 10 mm filled with halogen gas and sealed with a tungsten filament coil
Heater voltage	240 V
Operating temperature	May exceed 600ºC on the glass tube
Peak wavelength	1.0 to 1.2 µm (microns) short wavelength
Electric connection	R7s terminations with 200 mm PTFE-insulated leads
Assembly	Heaters to be mounted horizontally Recommended radiation distance from heater is 100 mm to 200 mm
Security	See separate installation, handling and safety information
Standards	CE

Standard assortment

Model QT	Power W	Max coil temp ºC	Overall length mm	Heated length mm	Article no
QTS 750	750	1450	224	170	3054280750
QTM 1000	1000	1450	277	225	3054281000
QTL 1500	1500	1270	473	415	3054281500
QTL 1750	1750	1470	473	415	3054281750
QTL 2000	2000	1500	473	415	3054282000

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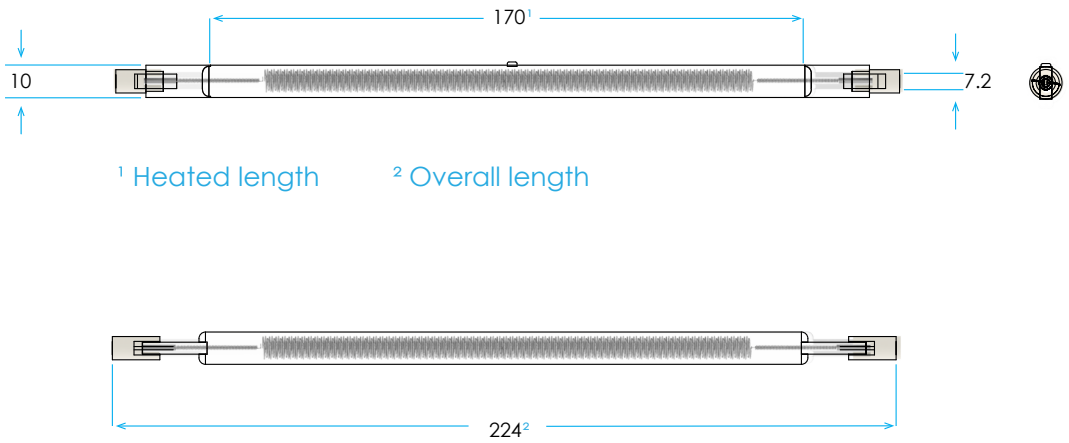

[1] Heated length [2] Overall length

Options

Reflector QTSR intended for element QTS article no 3054280751
Reflector QTMR intended for element QTM article no 3054281001
Reflector QTLR intended for element QTL article no 3054281501
Fast IR 305 intended for element QTM article no 3050129901, 3050130001
Fast IR 505 intended for element QTL article no 3050130101, 3050130201
Termination type R7s with 200mm lead article no 3050234701
High temperature NPC cable and ceramic terminal blocks, different options
Other voltages configurations available on request

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