

## BLACK BODY CERAMIC EMITTERS

APPLICATION - GENERAL DRYING AND PRE-HEATING FOR A VARIETY PROCESSORS:-



CONSTRUCTION - NICKEL-CHROME HELICAL COIL HEATING ELEMENT EMBEDDED IN HIGH TEMPERATURE CERAMIC BODY. METALLIC OXIDE COATING SINTERED TO FORM A BLACK CRYSTAL EMITTER SURFACE. 100MM LONG BEADED LEADS FITTED WITH TERMINAL EYE CONNECTORS..



NO HEAT WASTAGE - ORDINARY HEATING METHODS WORK MAINLY BY CONVECTION OR CONDUCTION IN TURN THEY HEAT THE AIR WHICH THEN HEATS THE PRODUCT IN AREAS WHICH ARE LARGE, OPEN OR DRAFTS, THESE METHODS ARE SLOW, INEFFICIENT AND EXPENSIVE TO RUN. CERAMIC HEATERS DIRECT THE HEAT AT THE OBJECTS, NOT THE AIR AROUND THEM.

INSTANT CONTROLLABILITY - QUICK THERMAL RESPONSE, HIGH THERMAL EFFICIENCY. EASY CONTROL TO RADIATE FAVORABLE WAVE LENGTHS FOR DIFFERENT TARGET MATERIALS.

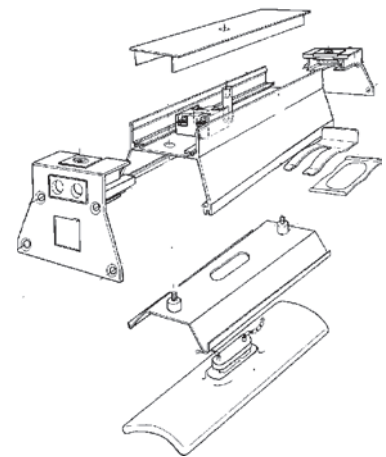
CLEAN & ENERGY EFFICIENT - ELECTRIC HEATING IS THE CLEANEST NON POLLUTING FORM OF HEAT AVAILABLE TODAY. ENERGY EFFICIENT DUE TO THE FACT INFRARED HEATERS CAN DIRECT HEAT INSTANTLY WHERE AND WHEN REQUIRED. FREE FROM DUST CONTAMINATION

OPTIONS AVAILABLE - INTEGRAL "K" TYPE THERMOCOUPLE , COMPLETE ALUMINUM EXTRUDED CASINGS, SINGLE OR MULTI REFLECTOR ASSEMBLIES.

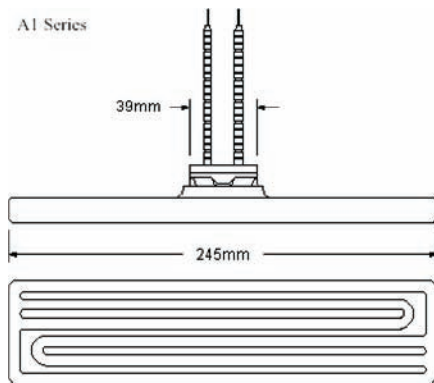
TEMPERATURE RANGE - 400 TO 730 OC



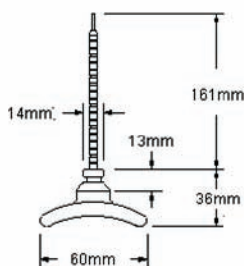
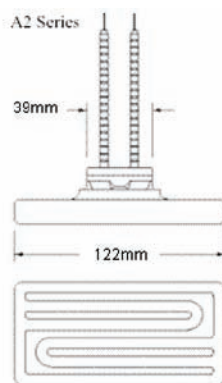
OPTIONAL CASING



A1 Series



A2 Series



CATALOGUE #	VOLTAGE	WATTAGE	DIMENSIONS MM	SURFACE TEMP.	PEAK WAVELENGTH
A1 1000	240	1000	245 X 60	730 °C	2.9 UM
A1 650	240	650	245 X 60	600 °C	3.2 UM
A1 500	240	500	245 X 60	550 °C	3.5 UM
A1 400	240	400	245 X 60	500 °C	3.7 UM
A1 250	240	250	245 X 60	400 °C	4.3 UM
A2 500	240	500	122 X 60	730 °C	2.9 UM
A2 325	240	325	122 X 60	600 °C	3.2 UM
A2 200	240	200	122 X 60	500 °C	3.7 UM

**MANUFACTURING PLANTS**

MELBOURNE TEL: (03) 9556 0222  
 SYDNEY TEL: (02) 9638 7055

ADELAIDE TEL: (08) 8445 1477  
 PERTH TEL: (08) 6278 4008

BRISBANE TEL: (07) 3341 5222  
 Web: www.helios.com.au