

enciency. mert atmosphere for	The No	
pitch solder pastes. Diffuse near	• Co	
and medium IR heating efficiency		
without color coloctivity	• Pi	
without color selectivity.	Ba	

onmenclature and legend inks

- onformal coatings
- onding epoxys or encapsulating epoxys on ICs
- Process heat shrink tubing Bake photo resist on silicon wafers
- Drying thick film pastes.

TF-Series Thick Film Firing Furnace



Fast eficient production furnace. Capable of 1000°C, these units utilize high level near infrared radiation to rapidly and accurately fire resistors, conductors and dielectrics in a clean, dry air atmosphere. The furnaces are designed to cycle on a daily or more frequent basis. They will stabilize at 1000°C from a cold start in under 20 minutes. Major profile changes can be accomplished in minutes, allowing the furnace to be regularly used for a variety of processes.

Designed for volume production of noble metal thick film products. Production rates of up to 23,000 square inches per hour (16 ipm) can be achieved, with still higher rates for some conductors and dielectrics. The enegy-rich, radiant environment allows all thick film materials to be processed very rapidly. Resistors are processed at total profile times of 12-15 minutes while conductors and dielectrics can be fired in as little as 10 minutes. This environment affords tighter distribution of process parts and also gives the processor the ability to cofire multilayers up to 300µm thick.

standard equipmer	L-N	nace Models	page: Furr F-G	this D-E	esh >> C	< refre		
standard equipmer		system. mace Models	page: Furr	this	esh >>	< refre		
	CD-	system.	Solar Cell s	Series				
Tast eficient production furnace. C-series furnaces offer high production yield and throughput, eature start-up often in less than 30 ninutes, precise and repeatable cone temperature control, emperature profiles up to 1000°C, and controlled-atmosphere capability of 1-5 ppm above ncoming gas purity. The SC-Series folar Cell furnace can be combined with an integral dryer in the SCD- series Solar Cell system. High-temperature photovoltaic applications. The rapid heat ri these furnaces is of particular advantage in the final process Order with a dryer as an option order wit			Fast e SC-ser produc featur minute zone t tempe and co capab incom Solar (with a	Furnaces	SC-Series Solar Cell			
Silver-glass die attach and processes requiring multi- temperature profiles and removal of volatiles. Thes capabilities are facilitated use of multiple intermedie exhaust stacks. Ideal for s two stage silver-glass die profiles, as well as solar-o green tape drying and firi sequences.	es, n cs, ole , clean	Temperature up to 1000°C, multistage temperature profiles, rapid removal of volatiles with multiple intermediate exhausts, inline drying and firing, multiple atmospheres with gas barriers, clean room compatible.			AG-Series Tempe multist rapid re multiplinline of atmosp room of			
eficient production furnace, the ries furnaces offer high uction yield and throughput and ure start-up often in less than 30 ttes, precise and repeatable temperature control, berature profiles up to 1000°C, controlled-atmosphere bility of 1-5 ppm above ming gas purity. The S-Series red Furnaces utilize high nsity heat to achieve exacting berature profiles, with rapid rise and no overshoot. Ideal for many high-temperatu semiconductor and thick-film processing. The rapid heat rise these furnaces is of particular advantage in the final lid sealin die attach process since the se conductor is not exposed to prolonged high temperature. In frame attachment, there is no contact with the part to cause distortion in the frame. All lead remain planar which greatly facilitates subsequent automat wire bonding steps.			Fast eficient production furnace, the S-series furnaces offer high production yield and throughput and feature start-up often in less than 30 minutes, precise and repeatable zone temperature control, temperature profiles up to 1000°C, and controlled-atmosphere capability of 1-5 ppm above incoming gas purity. The S-Series Infrared Furnaces utilize high intensity heat to achieve exacting temperature profiles, with rapid heat rise and no overshoot.			S-Series Seal Production Furnaces Fast of S-series produ featur minur zone temp and of capal incon Infrai inten temp heat		



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