

6.10.4 Flexible, Foil, Heaters

	RESIST HEATI FLEXIBLE SINGLE AN	184P					
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date			
Generic FSCC 4009	IRCA	Qualification	ESA	Apr 1992			
Detail ESCC 4009/002	RICA Division Vitorio Veneto Italy	Remarks RICA recently observed a higher quantity of defects than usual in the supplied raw material of polyimide-fep, used as insulating layer of the heater, according to external visual inspection ESCC no. 2054009 issue 4. The manufacturing yield for ESCC heaters with high area has been reduced. As consequence, RICA estimates a delay up to 6 months in the production of the heaters whose dimensions have an area equal to or greater than 15000mm ² compared to the delivery date expected by the customers. NCCS 2ERIC21 is opened and under investigation.					
Qualified range:							
Variants 01 through 48 are qualified							
Single, double layer and magnetically compensated heaters							
Maximum Ohmic density			200 Ω/cm ²				
Tolerances			±2, 3, 5, 10 %				
Resistance			1 to 5000 Ω				
Heating Area			1.6 to 1300 cm ²				
I erminal Lead			20, 22, 24, 26, 28, 30 AWG				
remperature	coemcient	(10-6	0/ 0): 1/5				
Operating Temperature Range (°C): -65 to +200							



ESCC/RP/QPL005

	330D						
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date			
Generic		Qualification	ESA	Jan 2015			
ESCC 4009	IRCA						
Detail ESCC 4009/004	RICA Division Vitorio Veneto Italy	Remarks					
Qualified range:							
Single, double layer heaters							
Special characteristics:							
Maximum Ohmic density			330 Ω/cm2				
Rated power density			0.38				
Resistance			1 to 10000 Ω				
Heating Area			1.66 to 1300 cm2				
Terminal Lead			20 to 30 AWG				
Resistance I olerance			(%): ±2 to ±10				
Operating Temperature Range (°C): -65 to +150							