

6.10.4 Flexible, Foil, Heaters

RESISTORS, HEATERS, FLEXIBLE SINGLE AND DOUBLE LAYER				184N
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 4009 Detail ESCC 4009/002	IRCA RICA Division Vitorio Veneto Italy	Qualification	ESA	Apr 1992
Remarks				
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		
Terminal Lead		20, 22, 24, 26, 28, 30 AWG		
Temperature coefficient		(10·6/°C): 175		
Operating Temperature Range (°C): -65 to +200				

RESISTORS, HEATERS, FLEXIBLE SINGLE AND DOUBLE LAYER				330C
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 4009	IRCA RICA Division Vitorio Veneto Italy	Qualification	ESA	Jan 2015
Detail ESCC 4009/004		Remarks		
Qualified range:				
All variants with heating area from 1.66 to 1300 cm2 are qualified.				
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 Tolerance		(%) : ±2 to ±10		
Operating Temperature Range (°C): -65 to +150				