

6.10.4 Flexible, Foil, Heaters

RESISTORS, HEATERS, FLEXIBLE SINGLE AND DOUBLE LAYER				184M
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/cm2		
Tolerances		±2, 3, 5, 10 %		
Resistance		1 to 5000 Ω		
Heating Area		1.6 to 1300 cm2		
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				330B
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 4009 Detail ESCC 4009/004	IRCA RICA Division Vitorio Veneto Italy	Qualification	ESA	Jan 2015
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				