

RESISTORS, HEATERS, FLEXIBLE SINGLE AND DOUBLE LAYER				325Crev1												
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date												
Generic ESCC 4009 Detail ESCC 4009/003	Minco SAS Aston France	Qualification	CNES	Mar 2013												
Remarks																
Qualified range: Variants 01, 02 and 03 are qualified Single, double layer heaters Options qualified: <table><tr><td>Resistance density</td><td>0.1 to 400 Ω/cm² (variant 01) 0.1 to 250 Ω/cm² (variants 02, 03)</td></tr><tr><td>Rated Power density</td><td>0.38 (variants 01, 03), 0.54 (variant 02) W/cm²</td></tr><tr><td>Resistance</td><td>1 to 10000 Ω</td></tr><tr><td>Heating Area</td><td>0.26 to 1000 cm²</td></tr><tr><td>Terminal Lead</td><td>20, 22, 24, 26, 28, 30 AWG</td></tr><tr><td>Resistance Tolerance</td><td>(%): ±1 to ±10</td></tr></table>					Resistance density	0.1 to 400 Ω/cm² (variant 01) 0.1 to 250 Ω/cm² (variants 02, 03)	Rated Power density	0.38 (variants 01, 03), 0.54 (variant 02) W/cm²	Resistance	1 to 10000 Ω	Heating Area	0.26 to 1000 cm²	Terminal Lead	20, 22, 24, 26, 28, 30 AWG	Resistance Tolerance	(%): ±1 to ±10
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Operating Temperature Range (°C): -65 to +150 for variants 01 and 03; -65 to +200 for variant 02																