

6 COMPONENT CERTIFICATES

6.1 CAPACITORS (01)

6.1.1 Ceramic Fixed

Capacitors, Ceramic, Type II, High Capacitance, Based on Case Styles BR, CV, and CH				367B
Procurement Specifications	Manufacturer	Nature of Approval	Supervising Authority	Initial Qualification Date
Generic ESCC 3001 ESCC 3009 Details ESCC 3001/030 3001/034 3009/034	Kyocera AVX Northern Ireland	Qualification	UK Space Agency	June 2020 Initial qualification dates of certificates merged into 367. Cert 231: Jul 1996 Cert 262: Sept 2000 Cert 264: Feb 2001
		Remarks		
Qualified Range: 3001/030 - Capacitors, Ceramic, Type II, High Capacitance, Based on Case Styles BR, CV, and CH E12 series Variants 01 to 74 capacitance range for 50V, 100V and 200V Variants 01 to 52, and 59 to 60, for 500V are qualified 3001/034 - Capacitors, ceramic, type II, high voltage, 1.0 to 5.0 kV, based on case styles VR, CV, and CH E12 series Variants 01 to 22 are qualified 3009/034 - Capacitors, fixed, chip, ceramic, type ii, high voltage, based on 1812 and 1825 Variants 01 to 12 are qualified Terminations: Variants 01 to 12 with metallised pads ± 10% tolerance Operating Temperature Range (°C): -55 to +125				

CAPACITORS, FIXED, CHIP, BASE METAL ELECTRODE, CERAMIC DIELECTRIC TYPE II, BASED ON TYPE TTP, 0402, 0603, 0805, 1206, 1210, 1812, 2220								331E	
Procurement Specifications		Manufacturer		Nature of Approval		Supervising Authority		Initial Qualification Date	
Generic		Kyocera AVX Northern Ireland		Qualification		UK Space Agency		Apr 2015	
ESCC 3009 Detail ESCC 3009/041				Remarks:					
Qualified Range:									
Value Series	Detailed Spec	Style	Component Variant	Capacitance Range (pF)			Rated Voltage (V)	Tolerance (+%)	
E12	3009041	0402	01	2,200	to	33,000	16	5, 10, 20	
				2,200	to	33,000	25		
				2,200	to	27,000	50		
				2,200	to	6,800	100		
E12	3009041	0603	02	2,200	to	180,000	16	5, 10, 20	
				2,200	to	180,000	25		
				2,200	to	120,000	50		
				2,200	to	18,000	100		
E12	3009041	0805	03	4,700	to	1,000,000	16	5, 10, 20	
				4,700	to	1,000,000	25		
				4,700	to	470,000	50		
				4,700	to	100,000	100		
E12	3009041	1206	04	18,000	to	2,200,000	16	5, 10, 20	
				18,000	to	2,200,000	25		
				18,000	to	1,000,000	50		
				18,000	to	390,000	100		
E12	3009041	1210	05	47,000	to	1,000,000	16	5, 10, 20	
				47,000	to	1,000,000	25		
				47,000	to	1,000,000	50		
				47,000	to	680,000	100		
E12	3009041	1812	06	150,000	to	8,200,000	16	5, 10, 20	
				150,000	to	8,200,000	16		
				150,000	to	4,700,000	50		
				150,000	to	2,200,000	100		
E12	3009041	2220	07	560,000	to	22,000,000	16	5, 10, 20	
				560,000	to	22,000,000	25		
				560,000	to	10,000,000	50		
				560,000	to	4,700,000	100		
Terminations: Cu and Ag-loaded epoxy + Ni barrier+ Sn/Pb plating finish (10% Pb minimum) Operating Temperature Range (°C):-55 to +125									