



EPPL COMPONENT

Originator: Eddie Manthorpe

Status: CLOSED

Company: AVX Ltd

Accepted: 2012-12-18

EPPL Part:	2		
Group:	CAPACITORS	Subgroup:	CERAMIC CHIP
Part type:	Type II Dielectric BME ceramic capacitors 0603, 0805, 1206, 1210 and 1812		
Description:	Surface Mount Multilayer Chip Capacitors, manufactured using Base Metal Electrode (BME) technology. Size (variant): Capacitance ranges (nF); Voltage (25, 50, 100V). Value Serie E12 0603 (01): 2.2-180; 2.2-150; 2.2-18 0805 (02): 2.2-1000; 2.2-470; 2.2-100 1206 (03): 18-2200; 18-1000; 18-390 1210 (04): 47-1000; 47-1000; 47-820 1812 (05): 150-8200; 150-4700; 150-2200 Capacitance Tolerance Values, 5%, 10%, 20%. Operating temperature range (°C.): -55 to +125		
Detail spec:	COL/ESA/PI-03 issue3 revB, COL/ESA/PI-03 issue3 revB, COL/ESA/PI-03 issue3 revB.pdf		
Package:	0603, 0805, 1206, 1210, 1812		
Manufacturer:	AVX Ltd		

APPROVAL STATUS

Qualification:	Not qualified
Other:	AECQ 200 (Automotive Electronics Council)
Highest screening level (MIL):	?
Evaluation programmes or other approvals:	1. Evaluation Study undertaken as per ESCC 2263000 and under ESA Contract No 22484. (January 2010 - August 2012)2. Manufacture of test vehicles, Testing completed and results submitted to ESCC. (February 2012)3. Findings of the study accepted and the technology approved by ESCC. (August 2012)
Former space usage:	Unknown.

PREVIOUS PROCUREMENT AND TEST DATA

Test data (Evaluation, Lot acceptance, DPA, MIL QCI/TCI, ...):

RADIATION HARDNESS DATA

Total dose effects: INSENSITIVE

Displacement damage:



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Single event effects (SEL/SEU/SET/SEFI/SEB/SEGR/others): INSENSITIVE

REMARKS