

### PART NUMBERING, TEST & PACKAGING OPTIONS

#### Part Numbering:

KYOCERA AVX part numbers have 19 character fields. Standard characters are used to denote KYOCERA AVX series, case size, capacitance code, capacitance tolerance, voltage code and standard / Low ESR designator.

#### Test Designators:

The following table is a cross-reference between KYOCERA AVX and MIL designators for the various termination, test and inspection options available:

Symbol	Parameter	Condition	Designator	
			MIL	KYOCERA AVX
^	Termination Finish	Hot Solder Dip*	C	8
		Solder Fused	K	0
		Solder Plated	H	H
		Gold	B	9
		Matte Sn	-	7
#	Lot inspection Conformance Level	MIL QPL (JAN brand)	-	M
		DLA Dwg	-	D
		Lab/SCD/SRC9000	-	L
		Standard	-	S
++	Surge Current Test (also used for custom requirements)	No Surge	Z	00
		10 Cycles Ambient	A	23
		10 Cycles -55°C & +85°C	B	24
		10 Cycles -55°C & +85°C Pre-Weibull	C	45
@	Voltage Conditioning (Reliability) Grade	Non ER	A	Z
		B Weibull	B	B
		C Weibull	C	C
		D Weibull	D	D
*	Capacitance Tolerance	±5%	J	J
		±10%	K	K
		±20%	M	M
0	Qualification Level	0 = N/A	N/A	0
		0 = COTS-Plus or Mil 55365	N/A	0
		S = NASA EEE-INST-002		S
		T = M55365 T Level		T
		4 = HRC4000 Medical		4
		5 = HRC5000 Medical		5
		6 = HRC6000 Medical		6
		9 = SRC9000 Space Level		9

\*When Hot Solder Dipped terminations are required, add an additional 0.015 inch (0.38 mm) to the tolerances for "L", "H", "P", and a "W2" for each case size.

#### Packaging Designators:

Due to the wide range of mounting processes that can be used for these products, there are many packaging options including bulk, tape / reel and waffle pack. Full dimensional information and packaging quantities are available in the packaging section (Applications Guide). Custom packaging is available for some product series (e.g. non-modular reel quantities, inverted in waffle (for wire bonding), special bar coding requirements, etc.). Please contact factory for custom requirements.

Symbol	Parameter	Condition	Designator	
			MIL	KYOCERA AVX
☐	Bulk	Bulk	Default	B
		Bulk - ESD Packaging	-	K
	Tape & Reel	4" Reel	\TR4	X
		7" Reel	\TR	R
		13" Reel	\TR13	S
	Waffle Pack	Waffle Pack	\W	W
Waffle - ESD Packaging		\L	L	