## Reference: QOD-510



## Product Change Notification PCN-102919-ASG-COMM

Date:				ID Num	ber (MMI	<b>DDYY)</b> : 1	02919-CC	DMM					
Affected Products	<ul> <li>Product Series: Flexible Termination System X7R dielectric - Commercial grade only.</li> <li>Part Types.</li> <li>X7R 1210 EIA Case Size 4.7uF 50V</li> </ul>												
	Termination System/s and finishes: Flexible Termination with 100% Sn Product Grade/s: • Commercial grade (See Part Types affected section for details)												
		-			iffected s	ection for	detalls)						
Product Series	Standard & Fle	1210	erminatio C		475	-	К	5	R	A		С	
Ordering Information	Ceramic C	ase Size L" x W")	Specificati		Capacita Code (	ance Ca	apacitance Tolerance	Rated Voltage (VDC)	Dielectric	Failure Rate / Design	e Te	ermination Finish	
		1210	C=Standard X=Flexible T		2 Sig. di + Numb zero	er of k	J = ±5% K = ±10% I = ±20%	5 = 50	R=X7R	A=N/A	C=10	00%Matte	Sn
	Ordering Information for both Standard and Flexible Termination is not changing with this PCN.												
Effective Date and Identification	<ul> <li>Beginning November 29<sup>th</sup>, 2019 (Please see full list of affected part types for conversion dates)</li> <li>Date Code. 1949XXXXXX</li> <li>Samples on these parts are available through your sales representative.</li> </ul>												
Change Description	Change Classification. Minor Form Fit V Function												
	KEMET is optimizing the dielectric formulation and designs to meet the growing global demand of class II X7R ceramic capacitors. Primary material set of the X7R dielectric will remain BaTiO <sub>3</sub> although minor modifications to dopants and powders have occurred which remain proprietary. Part types affected by this change continue to meet or exceed Automotive Electronics Council AEC-Q200 qualification in addition												
	to internal KEMET qualification standards (Qualification Packages upon request). Dimensional and Electrical Parameters.												
	Standard Termination	Length	n (mm)	Width	(mm)	Thickne	ess (mm)	pcs/reel (7"	reel/13"reel)	DF (max	:%)	IR min (I	Vlohm)
	Part Type	Current	Planned	Current	Planned	Current	Planned	Current	Planned	Current P	Planned	Current	Planned
	X7R 1210 4.7μF 50V	3.20 ± 0.30	3.20±0.30	2.50 ± 0.22	2.50 ± 0.22	$2.50\pm0.30$	$2.50\pm0.30$	1,000/4,000	1,000/4,000	2.5	5.0	106.4	21.28
	Flexible Termination												
	Part Type		n (mm)	Width			ess (mm)		reel/13"reel)	DF (max		IR min (I	
	X7R 1210 4.7μF 50V	<b>Current</b> 3.30 ± 0.40	Planned           3.30 ± 0.40	Current           2.60 ± 0.30	Planned 2.60 ± 0.30	Current 2.50 ± 0.30	Planned 2.50 ± 0.30	Current 1,000/4,000	Planned 1,000/4,000	CurrentP2.5	S.0	Current 106.4	Planned 21.28

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## Reference: QOD-510

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PI	Please refer to "Affected Part Types" Excel file for KEMET part numbers being affected by this change.									
Affected Part	Part numbers listed in the "Affected Part Types" excel file will begin to be supplied on November 29 <sup>th</sup> , 2019.									
Pa	Fait numbers instea in the Affected Fait Types excernie will begin to be supplied of November 29", 2019.									
Or	Only the part numbers listed will be impacted.									
	PCN Information									
	Reference: QOD-510									
Lig	List of affected part types based on shipments of the last 2 years									
No	Note. Any new part type to be set up after the issue of this PCN (October 19th, 2019) will be set up with designs and materials post this change									
	PCN Name	KEMET Part Type	Implementation Date							
PC	CN-102919-ASG-COMM	C1210X475K5RAC7800	Novemeber 29th, 2019							
PC	CN-102919-ASG-COMM	C1210X475J5RAC7800	Novemeber 29th, 2019							
PC	CN-102919-ASG-COMM	C1210X475M5RAC7800	Novemeber 29th, 2019							
PC	CN-102919-ASG-COMM	C1210X475K5RAC	Novemeber 29th, 2019							
PC	CN-102919-ASG-COMM	C1210X475K5RAC7210	Novemeber 29th, 2019							
PC	CN-102919-ASG-COMM	C1210X475K5RAC76217800	Novemeber 29th, 2019							

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