

Syfer Branded Product Range Environmental Status

Surface Mount Capacitor Status

1210	Y	100	0103	J	X	T	□□□
Chip Size	Termination	Voltage d.c. (unless stated)	Capacitance in Pico farads (pF)	Capacitance Tolerance	Dielectric	Packaging	Suffix Code*
0402	Y = FlexiCap™ termination base with nickel barrier (100% matte tin plating). RoHS compliant.	010 = 10V	<1.0pF	<4.7pF	A = COG/NP0 AEC-Q200 B = 2X1/BX C = COG/NP0 D = X7R (2R1) with IECQ-CECC E = X7R AEC-Q200 F = COG/NP0 with IECQ-CECC G = COG/NP0 H = X8G HiQ J = X7R (2R1) K = COG/NP0 AEC-Q200 N = X8R P = X5R Q = High Q R = 2C1/BZ S = X7R AEC-Q200 T = X8R AEC-Q200 U = Ultra Low ESR V = X8G HiQ AEC-Q200 X = X7R (2R1) Y = Hiteca™ AECQ-200 Z = Hiteca™ standard commercial	T = 178mm (7") reel R = 330mm (13") reel B = Bulk pack - tubs or trays	Used for specific customer requirements
0603		016 = 16V	Insert a P for the decimal point as the first character. e.g., P300 = 0.3pF Values in 0.1pF steps	H: ± 0.05pF B: ± 0.10pF C: ± 0.25pF D: ± 0.5pF			
0505	H = FlexiCap™ termination base with nickel barrier (tin/lead plating with min. 10% lead). Not RoHS compliant.	025 = 25V	>=1.0pF & <10pF	<10pF	M = ± 20%	M01 = Open Mode T01 = Tandem design WS2 & WS3 = StackiCap construction NC = Mandatory conformal coating E01, E07 & E17 = 3-terminal EMI filter E03 = X2Y 3-terminal EMI filter SY2, PY2, SP, SPU, B16, U16, M16, B17 & U17 = Legacy Safety Rated SYX, UYX, SYM, UYM, SYS, UYS, S2X, U2X, S3X & U3X = Enhanced safety Rated U99 & AG1 = Extended thickness H17, H20 & H25 = High Temperature VC1 = Residual Voltage range AF9 = RF non magnetic AF7 = RF high power HPB = legacy contains lead S02A = space range	
0709		063 = 63V	Insert a P for the decimal point as the second character. e.g., 8P20 = 8.2pF Values are E24 series	B: ± 0.10pF C: ± 0.25pF D: ± 0.5pF F: ± 1.0pF			
0805	J = nickel barrier (100% matte tin plating). RoHS compliant	100 = 100V	>=10pF	>=10pF	F: ± 1% G: ± 2% J: ± 5% K: ± 10%	P = X5R Q = High Q R = 2C1/BZ S = X7R AEC-Q200 T = X8R AEC-Q200 U = Ultra Low ESR V = X8G HiQ AEC-Q200 X = X7R (2R1) Y = Hiteca™ AECQ-200 Z = Hiteca™ standard commercial	M01 = Open Mode T01 = Tandem design WS2 & WS3 = StackiCap construction NC = Mandatory conformal coating E01, E07 & E17 = 3-terminal EMI filter E03 = X2Y 3-terminal EMI filter SY2, PY2, SP, SPU, B16, U16, M16, B17 & U17 = Legacy Safety Rated SYX, UYX, SYM, UYM, SYS, UYS, S2X, U2X, S3X & U3X = Enhanced safety Rated U99 & AG1 = Extended thickness H17, H20 & H25 = High Temperature VC1 = Residual Voltage range AF9 = RF non magnetic AF7 = RF high power HPB = legacy contains lead S02A = space range
1111		200 = 200V	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is the number of zeros following. e.g., 0101 = 100 pF Values are E12 series	B: ± 0.10pF C: ± 0.25pF D: ± 0.5pF F: ± 1.0pF			
1206	A = nickel barrier (tin/lead plating with min. 10% lead). Not RoHS compliant	250 = 250V			M = ± 20%	P = X5R Q = High Q R = 2C1/BZ S = X7R AEC-Q200 T = X8R AEC-Q200 U = Ultra Low ESR V = X8G HiQ AEC-Q200 X = X7R (2R1) Y = Hiteca™ AECQ-200 Z = Hiteca™ standard commercial	M01 = Open Mode T01 = Tandem design WS2 & WS3 = StackiCap construction NC = Mandatory conformal coating E01, E07 & E17 = 3-terminal EMI filter E03 = X2Y 3-terminal EMI filter SY2, PY2, SP, SPU, B16, U16, M16, B17 & U17 = Legacy Safety Rated SYX, UYX, SYM, UYM, SYS, UYS, S2X, U2X, S3X & U3X = Enhanced safety Rated U99 & AG1 = Extended thickness H17, H20 & H25 = High Temperature VC1 = Residual Voltage range AF9 = RF non magnetic AF7 = RF high power HPB = legacy contains lead S02A = space range
1210		500 = 500V					
1806	G = nickel barrier (100% gold plating). RoHS compliant	630 = 630V			M = ± 20%	P = X5R Q = High Q R = 2C1/BZ S = X7R AEC-Q200 T = X8R AEC-Q200 U = Ultra Low ESR V = X8G HiQ AEC-Q200 X = X7R (2R1) Y = Hiteca™ AECQ-200 Z = Hiteca™ standard commercial	M01 = Open Mode T01 = Tandem design WS2 & WS3 = StackiCap construction NC = Mandatory conformal coating E01, E07 & E17 = 3-terminal EMI filter E03 = X2Y 3-terminal EMI filter SY2, PY2, SP, SPU, B16, U16, M16, B17 & U17 = Legacy Safety Rated SYX, UYX, SYM, UYM, SYS, UYS, S2X, U2X, S3X & U3X = Enhanced safety Rated U99 & AG1 = Extended thickness H17, H20 & H25 = High Temperature VC1 = Residual Voltage range AF9 = RF non magnetic AF7 = RF high power HPB = legacy contains lead S02A = space range
1808		700 = 700V					
1812	2 = non-magnetic (100% matt tin plating) RoHS compliant	900 = 900V			M = ± 20%	P = X5R Q = High Q R = 2C1/BZ S = X7R AEC-Q200 T = X8R AEC-Q200 U = Ultra Low ESR V = X8G HiQ AEC-Q200 X = X7R (2R1) Y = Hiteca™ AECQ-200 Z = Hiteca™ standard commercial	M01 = Open Mode T01 = Tandem design WS2 & WS3 = StackiCap construction NC = Mandatory conformal coating E01, E07 & E17 = 3-terminal EMI filter E03 = X2Y 3-terminal EMI filter SY2, PY2, SP, SPU, B16, U16, M16, B17 & U17 = Legacy Safety Rated SYX, UYX, SYM, UYM, SYS, UYS, S2X, U2X, S3X & U3X = Enhanced safety Rated U99 & AG1 = Extended thickness H17, H20 & H25 = High Temperature VC1 = Residual Voltage range AF9 = RF non magnetic AF7 = RF high power HPB = legacy contains lead S02A = space range
1825		1K0 = 1kV					
2211	3 = FlexiCap™ base with non-magnetic (100% matt tin plating) RoHS compliant	1K2 = 1.2kV			M = ± 20%	P = X5R Q = High Q R = 2C1/BZ S = X7R AEC-Q200 T = X8R AEC-Q200 U = Ultra Low ESR V = X8G HiQ AEC-Q200 X = X7R (2R1) Y = Hiteca™ AECQ-200 Z = Hiteca™ standard commercial	M01 = Open Mode T01 = Tandem design WS2 & WS3 = StackiCap construction NC = Mandatory conformal coating E01, E07 & E17 = 3-terminal EMI filter E03 = X2Y 3-terminal EMI filter SY2, PY2, SP, SPU, B16, U16, M16, B17 & U17 = Legacy Safety Rated SYX, UYX, SYM, UYM, SYS, UYS, S2X, U2X, S3X & U3X = Enhanced safety Rated U99 & AG1 = Extended thickness H17, H20 & H25 = High Temperature VC1 = Residual Voltage range AF9 = RF non magnetic AF7 = RF high power HPB = legacy contains lead S02A = space range
2215		1K5 = 1.5kV					
2220	4 = non-magnetic (Tin/Lead Plating) Not RoHS compliant	2K0 = 2kV			M = ± 20%	P = X5R Q = High Q R = 2C1/BZ S = X7R AEC-Q200 T = X8R AEC-Q200 U = Ultra Low ESR V = X8G HiQ AEC-Q200 X = X7R (2R1) Y = Hiteca™ AECQ-200 Z = Hiteca™ standard commercial	M01 = Open Mode T01 = Tandem design WS2 & WS3 = StackiCap construction NC = Mandatory conformal coating E01, E07 & E17 = 3-terminal EMI filter E03 = X2Y 3-terminal EMI filter SY2, PY2, SP, SPU, B16, U16, M16, B17 & U17 = Legacy Safety Rated SYX, UYX, SYM, UYM, SYS, UYS, S2X, U2X, S3X & U3X = Enhanced safety Rated U99 & AG1 = Extended thickness H17, H20 & H25 = High Temperature VC1 = Residual Voltage range AF9 = RF non magnetic AF7 = RF high power HPB = legacy contains lead S02A = space range
2225		2K5 = 2.5kV					
3640	5 = FlexiCap™ base with non-magnetic (Tin/Lead Plating) Not RoHS compliant	3K0 = 3kV			M = ± 20%	P = X5R Q = High Q R = 2C1/BZ S = X7R AEC-Q200 T = X8R AEC-Q200 U = Ultra Low ESR V = X8G HiQ AEC-Q200 X = X7R (2R1) Y = Hiteca™ AECQ-200 Z = Hiteca™ standard commercial	M01 = Open Mode T01 = Tandem design WS2 & WS3 = StackiCap construction NC = Mandatory conformal coating E01, E07 & E17 = 3-terminal EMI filter E03 = X2Y 3-terminal EMI filter SY2, PY2, SP, SPU, B16, U16, M16, B17 & U17 = Legacy Safety Rated SYX, UYX, SYM, UYM, SYS, UYS, S2X, U2X, S3X & U3X = Enhanced safety Rated U99 & AG1 = Extended thickness H17, H20 & H25 = High Temperature VC1 = Residual Voltage range AF9 = RF non magnetic AF7 = RF high power HPB = legacy contains lead S02A = space range
4040		4K0 = 4kV					
5550	6 = nickel barrier (tin/lead plating with min. 5% lead). Not RoHS compliant	5K0 = 5kV			M = ± 20%	P = X5R Q = High Q R = 2C1/BZ S = X7R AEC-Q200 T = X8R AEC-Q200 U = Ultra Low ESR V = X8G HiQ AEC-Q200 X = X7R (2R1) Y = Hiteca™ AECQ-200 Z = Hiteca™ standard commercial	M01 = Open Mode T01 = Tandem design WS2 & WS3 = StackiCap construction NC = Mandatory conformal coating E01, E07 & E17 = 3-terminal EMI filter E03 = X2Y 3-terminal EMI filter SY2, PY2, SP, SPU, B16, U16, M16, B17 & U17 = Legacy Safety Rated SYX, UYX, SYM, UYM, SYS, UYS, S2X, U2X, S3X & U3X = Enhanced safety Rated U99 & AG1 = Extended thickness H17, H20 & H25 = High Temperature VC1 = Residual Voltage range AF9 = RF non magnetic AF7 = RF high power HPB = legacy contains lead S02A = space range
8060		6K0 = 6kV					
	7 = FlexiCap™ base nickel barrier (tin/lead plating with min. 5% lead). Not RoHS compliant	8K0 = 8kV			M = ± 20%	P = X5R Q = High Q R = 2C1/BZ S = X7R AEC-Q200 T = X8R AEC-Q200 U = Ultra Low ESR V = X8G HiQ AEC-Q200 X = X7R (2R1) Y = Hiteca™ AECQ-200 Z = Hiteca™ standard commercial	M01 = Open Mode T01 = Tandem design WS2 & WS3 = StackiCap construction NC = Mandatory conformal coating E01, E07 & E17 = 3-terminal EMI filter E03 = X2Y 3-terminal EMI filter SY2, PY2, SP, SPU, B16, U16, M16, B17 & U17 = Legacy Safety Rated SYX, UYX, SYM, UYM, SYS, UYS, S2X, U2X, S3X & U3X = Enhanced safety Rated U99 & AG1 = Extended thickness H17, H20 & H25 = High Temperature VC1 = Residual Voltage range AF9 = RF non magnetic AF7 = RF high power HPB = legacy contains lead S02A = space range
		10K = 10kV					
		12K = 12kV					
		A15 = 115Vac 400Hz					
		A25 = 250Vac 50/60Hz					
		A30 = 305Vac 50/60Hz					
		A50 = 500Vac 50/60Hz					

* Parts with customisation suffix codes applied (2 or 3 digit codes added to the end of the standard part number) may have a different RoHS status to the basic part number. In case of doubt, always check the status of customised parts with the factory.

Standard suffix codes shown follow the rules in the following table

Termination Type	Dielectric	RoHS Compliant? 2011/65/EU (2015/863/EU)	RoHS Exemption?	REACH SVHC (Candidate List) REACH 235 14/06/23	REACH Annex XIV (Authorisation List)	REACH Annex XVII (Restricted List)	Prop 65
Y, J & G	A, C, D, E, F, G, H, J, K, P, Q, S, U, V & X	Yes (Since 1 st October 2012)	None applied	None present	None present	Nickel, as an undercoat to the plating finish	No risk of exposure
F, Q, 2 & 3	A, C, D, E, F, G, H, J, K, P, Q, S, U, V & X	Yes (Since 1 st October 2012)	None applied	None present	None present	None present	No risk of exposure
Y, J & G	B, R, N & T	Yes (Since 1 st February 2017)	None applied	None present	None present	Nickel, as an undercoat to the plating finish	No risk of exposure
F, Q, 2 & 3	B, R, N & T	Yes (Since 1 st February 2017)	None applied	None present	None present	None present	No risk of exposure

Termination Type	Dielectric	RoHS Compliant? 2011/65/EU (2015/863/EU)	RoHS Exemption?	REACH SVHC (Candidate List) REACH 235 14/06/23	REACH Annex XIV (Authorisation List)	REACH Annex XVII (Restricted List)	Prop 65
J, Y	B, R, N & T When suffix code HPB is applied	Voltage Dependent Voltage $\geq 250\text{Vdc}$, compliant thru exemption Voltage $< 250\text{Vdc}$, not compliant (Since 1 st February 2017)	Voltage $\geq 250\text{Vdc}$, compliant – exemption 7(C)-II	Lead Titanium Oxide (PbTiO ₃ , CAS number 12060-00-3)	None present	Nickel, as an undercoat to the plating finish Lead – as per SVHC / Authorisation List	No risk of exposure
F, Q	B, R, N & T When suffix code HPB is applied	Voltage Dependent Voltage $\geq 250\text{Vdc}$, compliant thru exemption Voltage $< 250\text{Vdc}$, not compliant (Since 1 st February 2017)	Voltage $\geq 250\text{Vdc}$, compliant – exemption 7(C)-II	Lead Titanium Oxide (PbTiO ₃ , CAS number 12060-00-3)	None present	Lead – as per SVHC / Authorisation List	No risk of exposure
H, A, 6 & 7 (SnPb plated terminations)	A, B, C, D, E, F, G, H, J, K, N, P, Q, R, S, T, U, V & X	No	N/A	Lead (Pb) CAS number 7439-92-1	None present	Nickel, as an undercoat to the plating finish Lead – as per SVHC / Authorisation List	Terminations have exposed lead (CAS 7439-92-1) that could represent a risk of exposure through touch

Termination Type	Dielectric	RoHS Compliant? 2011/65/EU (2015/863/EU)	RoHS Exemption?	REACH SVHC (Candidate List) REACH 235 14/06/23	REACH Annex XIV (Authorisation List)	REACH Annex XVII (Restricted List)	Prop 65
4 & 5 (SnPb plated terminations)	C, Q, & X	No	N/A	Lead (Pb) CAS number 7439-92-1	None present	Lead – as per SVHC / Authorisation List	Terminations have exposed lead (CAS 7439-92-1) that could represent a risk of exposure through touch
H, A, 6 & 7 (SnPb plated terminations)	B, R, N & T When suffix code HPB is applied	No	N/A	Lead Titanium Oxide (PbTiO ₃ , CAS number 12060-00-3) And Lead (Pb) CAS number 7439-92-1	None present	Nickel, as an undercoat to the plating finish Lead – as per SVHC / Authorisation List	Terminations have exposed lead (CAS 7439-92-1) that could represent a risk of exposure through touch

Table 1: Surface Mount Capacitor RoHS Status

Note:

- X8R (N & T) dielectric material was changed to lead free RoHS compliant from 1st February 2017. If suffix HPB is applied, then the 'old' lead containing dielectric is used

Radial Leaded Capacitor Status

8111M	100	0102	J	C	□□□	□□□
Chip Size	Voltage d.c. (unless stated)	Capacitance in Pico farads (pF)	Capacitance Tolerance	Dielectric	Suffix Code	Suffix Code
8111M	010 = 10V	<10pF	<10pF	C = COG/NPO (1B/CG; CG/BP)	Used for specific customer requirements and/or bandolier packing variants	C42 denotes RoHS compliant
8111N	016 = 16V	Insert a P for the decimal point as the second character.	D: ± 0.5pF	X = X7R (2R1)		
8121M	025 = 25V	e.g., 8P20 = 8.2pF	F: ± 1.0pF	To special order		
8121N	050 = 50V	≥10pF	≥10pF	R = 2C1/BZ		
8121T	063 = 63V	First digit is 0.	F: ± 1%	B = 2X1/BX		
8131M	100 = 100V	Second and third digits are significant figures of capacitance code.	G: ± 2%			
8131T	200 = 200V	The fourth digit is the number of zeros following.	J: ± 5%			
8141M	250 = 250V	e.g., 0101 = 100 pF	K: ± 10%			
8151M	500 = 500V		M: ± 20%			
8161M	630 = 630V		≥27pF			
8165M	1K0 = 1kV		G: ± 2%			
8171M	1K2 = 1.2kV		(COG/NPO only)			
81112	1K5 = 1.5kV					
81113	2K0 = 2kV					
81212	2K5 = 2.5kV					
81213	3K0 = 3kV					
81312	4K0 = 4kV					
81313	5K0 = 5kV					
81313	6K0 = 6kV					
81313	8K0 = 8kV					
81313	10K = 10kV					
81313	12K = 12Kv					

Ribbon Leaded Capacitor Status

4040B	7K0	0470	J	Q	B	RW221
Chip Size	Voltage d.c. (unless stated)	Capacitance in Pico farads (pF)	Capacitance Tolerance	Dielectric	Packing	Suffix Code
2225B	010 = 10V	<10pF	<10pF	Q = High Q	B = Bulk Pack	RW001 = Ribbon Leaded
2225V	016 = 16V	Insert a P for the decimal point as the second character.	B: ± 0.10pF			RW221 = Non Magnetic Ribbon Leaded
4040B	025 = 25V	e.g., 8P20 = 8.2pF	C: ± 0.25pF			RW211 = Non Magnetic Leaded Marked
4040V	050 = 50V	≥10pF	D: ± 0.5pF			
	063 = 63V	First digit is 0.	F: ± 1.0pF			
	100 = 100V	Second and third digits are significant figures of capacitance code.	≥10pF			
	200 = 200V	The fourth digit is the number of zeros following.	F: ± 1%			
	250 = 250V	e.g., 0101 = 100 pF	G: ± 2%			
	500 = 500V		J: ± 5%			
	630 = 630V		K: ± 10%			
	1K0 = 1kV		M: ± 20%			
	1K2 = 1.2kV					
	1K5 = 1.5kV					
	2K0 = 2kV					
	2K5 = 2.5kV					
	3K0 = 3kV					
	4K0 = 4kV					
	5K0 = 5kV					
	6K0 = 6kV					
	8K0 = 8kV					
	10K = 10kV					
	12K = 12Kv					

Suffix Code	Dielectric	RoHS Compliant? 2011/65/EU (2015/863/EU)	RoHS Exemption?	REACH SVHC (Candidate List) REACH235 14/06/23	REACH Annex XIV (Authorisation List)	REACH Annex XVII (Restricted List)	Prop 65
C42	C & X	Yes (Since 1 st October 2012)	None applied	None present	None present	None present	No risk of exposure
C42	B & R	Yes (Since 1 st February 2017)	None applied	None present	None present	None present	No risk of exposure
A31 & A97	C & X	No	N/A	Lead (Pb) CAS number 7439-92-1	None present	Lead – as per SVHC / Authorisation List	Terminations have exposed lead (CAS 7439- 92-1) that could represent a risk of exposure through touch

Table 2: Radial Capacitor Status

Notes:

- BX & RX (B & R) dielectric material was changed to lead free RoHS compliant from 1st February 2017

Termination Code	Dielectric	RoHS Compliant? 2011/65/EU (2015/863/EU)	RoHS Exemption?	REACH SVHC (Candidate List) REACH 235 14/06/23	REACH Annex XIV (Authorisation List)	REACH Annex XVII (Restricted List)	Prop 65
B	Q	Yes (Since 1 st October 2012)	Compliant – exemption 7(a)	Lead (Pb) CAS number 7439-92-1	None present	Lead – as per SVHC / Authorisation List	Terminations have exposed lead (CAS 7439- 92-1) that could represent a risk of exposure through touch
V	Q	Yes (Since 1 st October 2012)	Compliant – exemption 7(a)	Lead (Pb) CAS number 7439-92-1	None present	Lead – as per SVHC / Authorisation List	No risk of exposure

Table 3: Ribbon Lead Capacitor Status

Filter Component RoHS Status

If part number has a suffix code other than listed below, then refer to factory.

Filter Series / Suffix Code	Dielectric	RoHS Compliant? 2011/65/EU (2015/863/EU)	RoHS Exemption?	REACH SVHC (Candidate List) REACH 235 14/06/23	REACH Annex XIV (Authorisation List)	REACH Annex XVII (Restricted List)	Prop 65
SB**	C & X	Yes	None applied	None present	None present	Nickel, as an undercoat to the plating finish	No risk of exposure
SB** Suffix /0107	X	No	N/A	Lead (Pb) CAS number 7439-92-1	None present	Nickel, as an undercoat to the plating finish	Terminations have exposed lead (CAS 7439-92-1) that could represent a risk of exposure through touch
SFS* Solder-in Panel Mount	C & X	Voltage Dependent Voltage $\geq 250\text{Vdc}$, compliant thru exemption Voltage $< 250\text{Vdc}$, not compliant (Since 1 st February 2017)	Exemption 24 & 7(C)-II (Voltage $\geq 250\text{Vdc}$, compliant)	Lead (Pb) CAS number 7439-92-1, Lead Titanium Oxide (PbTiO ₃ , CAS number 12060-00-3)	None present	Nickel, as an undercoat to the plating finish	No risk of exposure
SF** Bolt-in Panel Mount	C & X	Voltage Dependent Voltage $\geq 250\text{Vdc}$, compliant thru exemption Voltage $< 250\text{Vdc}$, not compliant (Since 1 st February 2017)	Exemptions 6(C), 24 & 7(C)-II (Voltage $\geq 250\text{Vdc}$, compliant)	Lead (Pb) CAS number 7439-92-1, Lead Titanium Oxide (PbTiO ₃ , CAS number 12060-00-3)	None present	Nickel, as an undercoat to the plating finish of internal component	No risk of exposure

Filter Series / Suffix Code	Dielectric	RoHS Compliant? 2011/65/EU (2015/863/EU)	RoHS Exemption?	REACH SVHC (Candidate List) REACH 235 14/06/23	REACH Annex XIV (Authorisation List)	REACH Annex XVII (Restricted List)	Prop 65
SF** Bolt-in Panel Mount Suffix /0100	C & X	No	N/A	Lead (Pb) CAS number 7439-92-1	None present	Nickel, as an undercoat to the plating finish of internal component	Terminations have exposed lead (CAS 7439-92-1) that could represent a risk of exposure through touch

Table 4: EMI Filter Status

Exemptions that may apply to Table 4 :

6(c) Lead as an alloying element in aluminium Copper alloy containing up to 4 % lead by weight

24 Lead in solders for the soldering to machined through-hole discoidal and planar array ceramic multilayer capacitors

7(c) II Lead in dielectric ceramic in capacitors for a rated voltage of 125V AC or 250V DC or higher

Halogen free Compliance Declaration (Br <=900ppm, Cl <=900ppm, Br+Cl <=1500ppm)

We hereby declare that all surface mount capacitors, Radial leaded MLCC and EMI Filter parts delivered by Knowles are compliant with Halogen Free requirements.

Individual datasheets and environmental certificates are available by part number direct from the Knowles website www.knowlescapacitors.com

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