DLI • Novacap • Syfer • Voltronics

Knowles (UK) Limited
Old Stoke Road
Arminghall, Norwich, Norfolk
NR14 8SQ England

Tel: +44 (0)1603 723347
Fax +44 (0)1603 723301
Email: Steve.Watts@knowles.com
Web: www.knowlescapacitors.com

WTS//ELECTRONIC COMPS. GMBH
#74047

February 2016 revised March 2016

PDN (Product Discontinuation Notification) reference: **2016/02**

Subject: **ProtectiCap Withdrawal – Revised**

PDN revised details: Alternative Part Number Available changed from RC to NC suffix code.

Dear Daniel,

Knowles Capacitors has recently conducted a ProtectiCap business review and regrets to advise that this product range will now be discontinued in the Knowles (UK) Ltd facility.

The review also concluded that ProtectiCap manufacture will not be relocated from the Knowles Norwich UK facility to the Knowles Suzhou China facility as a result of the complexity of the ProtectiCap coating process and the relatively low value of ProtectiCap Sales.

All ProtectiCap part numbers will now be withdrawn with respect to new orders. Please contact Knowles Sales for possible stock availability.

The review also considered other alternatives which has resulted in the same range of parts previously offered as 'ProtectiCap coated' being offered without coating on the understanding that the customer will apply conformal coating to all unprotected surfaces after the part is mounted on the PCB. This product range is identified by the suffix NC added to the part number. Samples of this product range are available on request.

If you require further information, please contact Knowles sales.

Yours sincerely,

Stephen Watts
Management Systems and Compliance Officer
Knowles Capacitors

PDN Details

PDN reference: 2016/02
Also note associated PDN ref 2016/03 Safety Capacitor ProtectiCap Range withdrawal.

PDN Issue Date: 8th February 2016

Product: ProtectiCap Ranges defined by P in the Syfer part number:

Chip Size	**Termination**	Voltage d.c.	Capacitance in Pico farads (pF)	Capacitance Tolerance	Dielectric Codes	Packaging
1206 1210 1808 1812 2220	**P = ProtectiCap ™ (FlexiCap™ termination base with Nickel Barrier, 100% matte tin plating)**	2K0 = 2kV 2K5 =2.5kV 3K0 =3kV 4K0 =4kV 5K0 =5kV	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., 0102 = 1000 pF	J: ± 5% K: ± 10% M: ± 20%	X = X7R	T = 178mm (7") reel R = 330mm (13") reel B = Bulk pack – tubs or trays

Change Description: Product to be discontinued.

Reasons for Change: Complexity of the coating process and relatively low volume of Sales.

Alternative Part Number(s) Available: Non-coated high voltage ranges with part number suffix code NC.
Part number example:

Chip Size	Termination	Voltage d.c.	Capacitance in Pico farads (pF)	Capacitance Tolerance	Dielectric Code	Packaging	**Suffix Code**
1206	Y J	3K0	152	K	X	T	**NC**

Note: The NC range has high voltage ratings and is designed only to be used in applications where a conformal coating is applied to the MLCC after mounting to the PCB. If coating is not applied then the parts can be expected to flashover.

Alternative Part Samples: Available on request.

Withdrawal date: All ProtectiCap part numbers now withdrawn with respect to new orders. Please contact Knowles Sales for possible stock availability.