

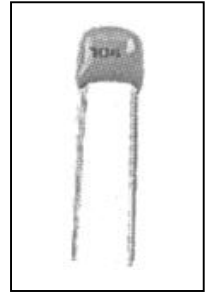
Ceramic Capacitors

Order code	Manufacturer code	Description
08-1095	n/a	n/a
08-1100	n/a	1U 5MM Y5V DIELECT.CERAMIC CAP (RC)
08-1080	n/a	220N 2.5MM Y5V DIELECT.CERAMIC (RC)
08-1085	n/a	470N 2.5MM Y5V DIELECT.CERAMIC
08-1090	n/a	470N 5MM Y5V DIELECT.CERAM.CAP (RC)
08-1065	n/a	22N 2.5MM Y5V DIELEC.CERAM.CAP (RC)
08-1070	n/a	22N 5MM Y5V DIELECT.CERAM.CAP (RC)
08-1075	n/a	47N 2.5MM Y5V DIELEC.CERAM.CAP (RC)
08-0275	n/a	100N 2.5MM Y5V DIELEC.CERAMIC (RC)
08-0280	n/a	220N 5MM Y5V DIELECT.CERAMIC (RC)
08-1060	n/a	n/a
08-0260	n/a	10N 5MM Y5V DIELECT.CERAM.CAP RC
08-0265	n/a	47N 5MM Y5V DIELECT.CERAM.CAP (RC)
08-0270	n/a	100N 5MM Y5V DIELECT.CERAMIC (RC)

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The enclosed information is believed to be correct, Information may change without notice due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 20/02/2007

Capacitors

Y5V Series - Radial Multi-Layer Ceramic Capacitors



The Y5V dielectrics have relatively high K. The electrical properties of these dielectrics change considerably under changing temperature, voltage and time. They are suitable for all general-purpose applications where high capacitance values are required and are ideal for room temperature applications with low DC bias.

Features:

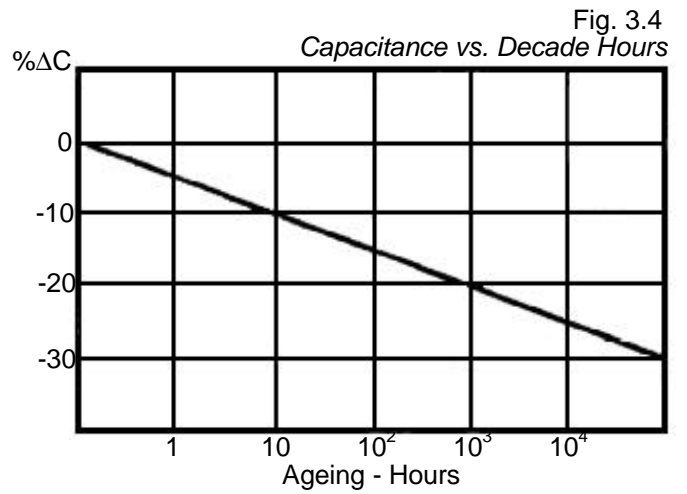
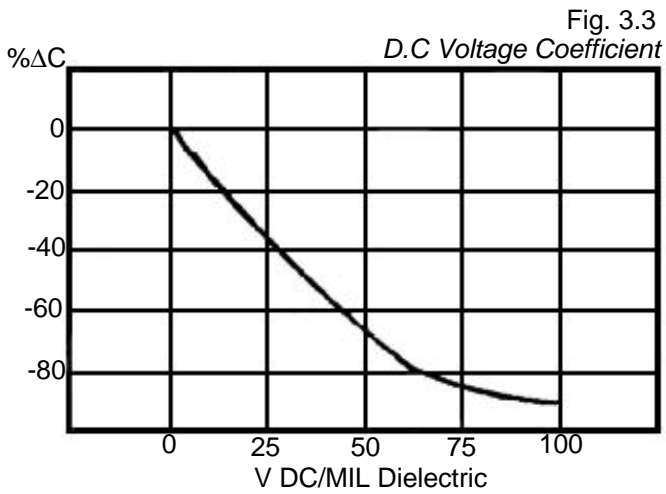
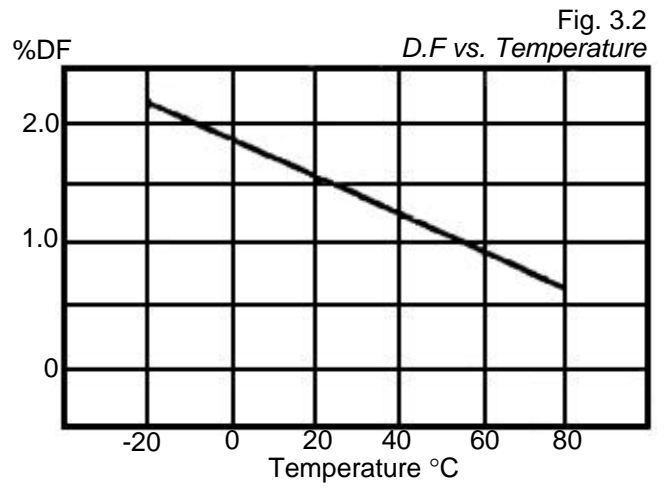
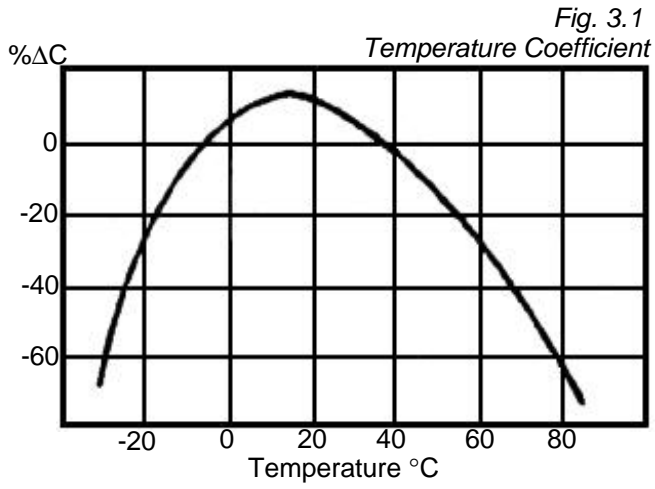
- Miniature size
- Consistent dimensions and surface finish
- Engineered for automatic feeding and insertion

General Specifications:

Operating temperature range:	-30 to 85°C
Temperature coefficient, ΔC Max.:	+22% ~ 82%
Temp-voltage coefficient:	Not applicable
Dissipation factor ($\tan \delta$) @ 25°C:	7% max, lesser of 10G Ω or 1000M $\Omega\mu$ F
Insulation resistance, @ 25°C:	-7% per decade hour
Ageing rate:	1kHz \pm 50Hz, 0.5 Vrms
Testing parameters:	25°C, 0 volt bias 2.5 x WVDC

The electrical properties of the Y5V are not very stable with respect to changes in temperature, voltage and time conditions. The temperature coefficient characteristics are illustrated in figure 3.1. Figure 3.2 shows the variation pattern of dissipation factor with respect to temperature. The DC voltage coefficient and ageing pattern are illustrated in figures 3.3 and 3.4 respectively.

Characteristic Graphs:



Dimensions (mm):

