

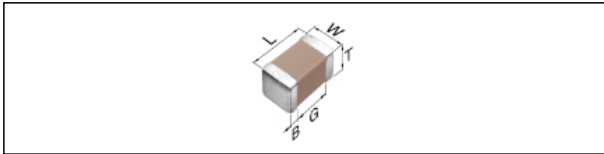


## C1608X7R1E105K080AB (TDK item description : C1608X7R1E105KT\*\*\*\*)

Applications	 Commercial Grade
	 Please refer to Part No. CGA3E1X7R1E105K080AC for automotive use.
Feature	<span style="background-color: #e91e63; color: white; padding: 2px;">General</span> General (Up to 50V)
Series	C1608 [EIA CC0603]



Size	
Length(L)	1.60mm +/-0.10mm
Width(W)	0.80mm +/-0.10mm
Thickness(T)	0.80mm +/-0.10mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	0.30mm Min.

Electrical Characteristics	
Capacitance	1uF +/-10%
Rated Voltage	25Vdc
Temperature Characteristic	X7R(+/-15%)
Dissipation Factor	7.5% Max.
Insulation Resistance	500MΩ Min.

Other	
Soldering Method	Reflow, Flow
AEC Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000 Pcs Min.

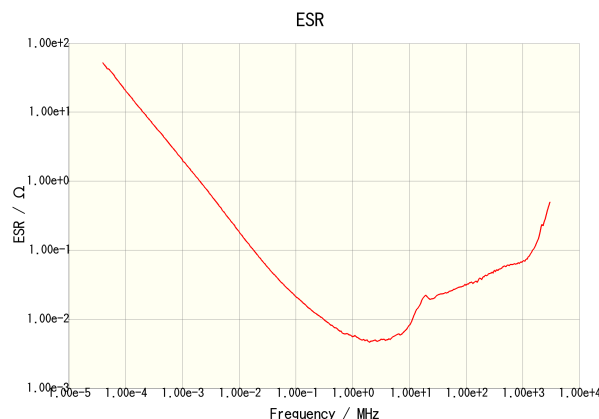
•This PDF document was created based on the data listed on the TDK Corporation website.  
 •All specifications are subject to change without notice.

# C1608X7R1E105K080AB

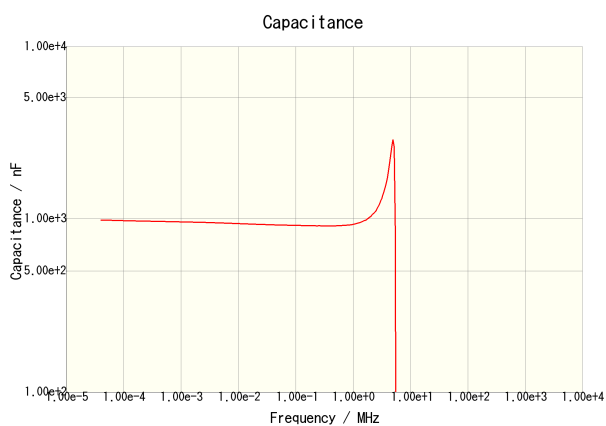
**Characteristic Graphs** (This is reference data, and does not guarantee the product's characteristics.)



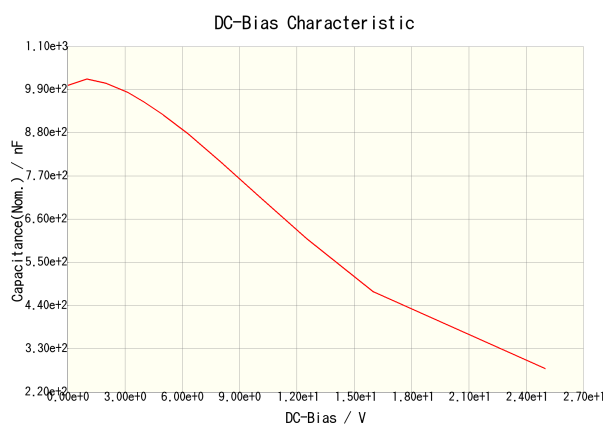
**C1608X7R1E105K080AB**



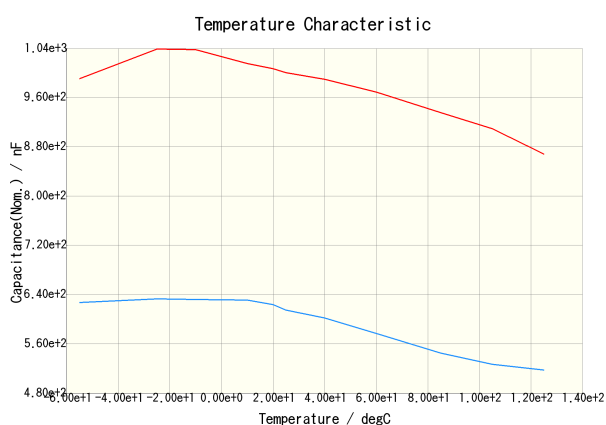
**C1608X7R1E105K080AB**



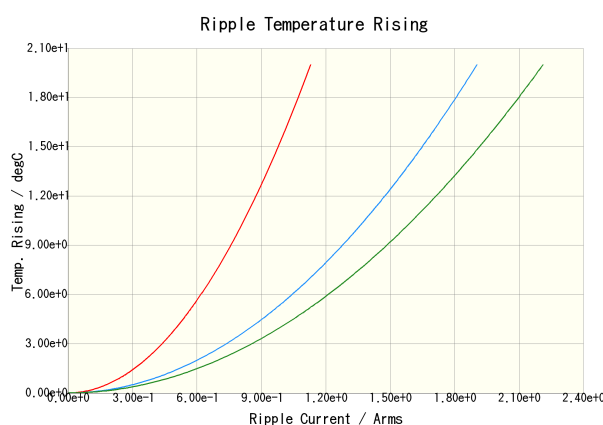
**C1608X7R1E105K080AB**



**C1608X7R1E105K080AB**



**C1608X7R1E105K080AB(DC Bias = 0V)** **C1608X7R1E105K080AB(DC Bias = 12.5V)**



**C1608X7R1E105K080AB(100kHz)** **C1608X7R1E105K080AB(500kHz)**  
**C1608X7R1E105K080AB(1MHz)**

•This PDF document was created based on the data listed on the TDK Corporation website.  
 •All specifications are subject to change without notice.