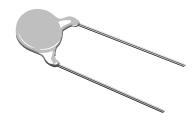
# **Ceramic Disc Capacitors for Safety Regulations**

Type: **GL** 



#### ■ Features

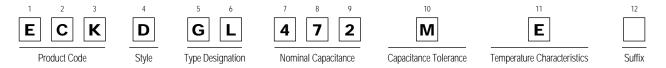
Ceramic disc capacitors, "Type GL," rated 250 VAC, are recognized by UL.  $\label{eq:condition} % \begin{center} \begin{cente$ 

(Recognized type designation: Type GL).

#### **■** Recommended Applications

- · Line bypass and across-the-line
- Switching surge killer, etc.

# **■** Explanation of Part Numbers



#### **■ Specifications**

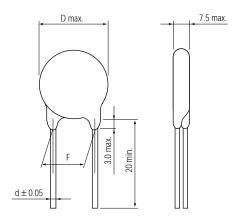
Operating temperature range	−25 to 85°C						
Rated voltage	Applicable standard	Rated voltage					
	UL	250 VAC					
	CSA	125 VAC					
Dielectric withstanding voltage	1500 VAC (50/60 Hz) for 1 minute						
Capacitance	Within the tolerance, when measured at 1 kHz ± 20%, 1 Vrms and 20°C						
Dissipation factor (tan $\delta$ )	B/Y5P/2B4: 0.025 max.; E/Y5U/2E4: 0.025 max., V: 0.05 max.						
Insulation resistance	10,000 M $\Omega$ min. at 500 VDC and 1 minute electrification						
Temperature characteristics	T.C.	Capacitance Change	Temperature Range				
(Reference temperature: 20°C)	B/Y5P/2B4	±10% max.	−25 to 85°C				
	E/Y5U/2E4	+20/–55% max.	−25 to 85°C				
	V	+30/–80% max.	0 to 70°C				



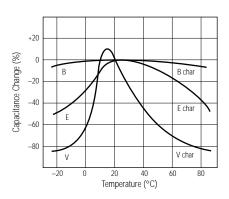
## ■ Related Standards and Certificate Numbers (Type NS-A)

Related Standards	Certificate Number/File Number		
UL 1414	E62674 (Rated 250 VAC)		
CSA C22.2	LR58064-7 (Rated 125 VAC)		

#### ■ **Dimensions in mm** (not to scale)



### **■ Typical Temperature Characteristics**



#### ■ Ratings and Characteristics

	Nominal Capacitance (pF)	Tolerance (%)	Temperature Characteristics	Dimensions in mm			
Part Number				D max.	T max.	F	d
ECKDGL101MB	100	±20	В	8.0	5.5	7.5±1.5	0.65
ECKDGL151MB	150	—20	В	8.0	5.5	7.5±1.5	0.65
CKDGL221MB	220	—20	В	8.0	5.5	7.5±1.5	0.65
CKDGL331MB	330	—20	В	8.0	5.5	7.5±1.5	0.65
CKDGL471MB	470	—20	В	9.0	5.5	7.5±1.5	0.65
CKDGL681MB	680	—20	В	9.0	5.5	7.5±1.5	0.65
CKDGL102MB	1000	—20	E	9.0	5.5	7.5±1.5	0.65
CKDGL152MB	1500	—20	E	11.0	5.5	7.5±1.5	0.65
CKDGL222MB	2200	—20	E	12.0	5.5	7.5±1.5	0.65
CKDGL332MB	3300	—20	E	15.0	5.5	10.0±1.5	0.65
CKDGL472MB	4700	—20	E	17.0	5.5	10.0±1.5	0.65
CKDGL472ZV	4700	+80, -20	V	12.0	5.5	7.5±1.5	0.65
CKDGL103ZV	10000	+80, -20	V	17.0	5.5	10.0±1.5	0.65

Note: Radial taped versions are available on request.

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 ECK-DGL102ME
 562R5GAD47RR
 S103K75Y5PN8BT0R

 615R100GAD10
 615R150GAD10
 NCD100K1KVSLF
 NCD682M1KVZ5UF
 CCK-100N
 CCK-100P
 CCK-2N2
 CCK-47N
 CCK-47P

 47P
 CCK-4P7
 CK45-B3FD681KYNNA
 CCK-4N7
 CCK-4P7
 CK45-B3FD681KYNNA