



THE DATASHEET OF C4532X7R1H475K200KB

C.3216.X7R.1H.105.K.160.

Series Name	
Description	
C	General Purpose
CKC	Array
CKG	MEGACAP
CLL	Ultra Low Inductance

Case Size Code				
C	CKC	CKG	CLL	
0.40 x 0.20	0402			
0.50 x 1.00	0510			
0.60 x 0.30	0603			
0.80 x 1.60	0816			
0.90 x 0.60	N27			
1.00 x 0.50	1005			
1.25 x 2.00	1220			
1.37 x 1.00	M25			
1.60 x 0.80	1608			C1A
1.60 x 3.20	1632			
2.00 x 1.25	2012	L22		E1A
		L44		
3.20 x 1.60	3216	A43		G1A
3.20 x 2.50	3225			
3.80 x 2.90		32K		
4.50 x 2.00	4520			
4.50 x 3.20	4532			
5.50 x 4.00		45K		
		45N		
5.70 x 5.00	5750			
6.50 x 5.50		57K		
		57N		
7.50 x 6.30	7563			

Temperature Characteristics		
Temperature	Temperature Coefficient or Capacitance Change	
CH	-25°C to +85°C	0±60ppm/°C
C0G	-55°C to +125°C	0±30ppm/°C
NP0	-55°C to +150°C	0±30ppm/°C
JB	-25°C to +85°C	±10%
X5R	-55°C to +85°C	±15%
X6S	-55°C to +105°C	±22%
X7R	-55°C to +125°C	±15%
X7S	-55°C to +125°C	±22%
X7T	-55°C to +125°C	+22, -33%
X8R	-55°C to +150°C	±15%

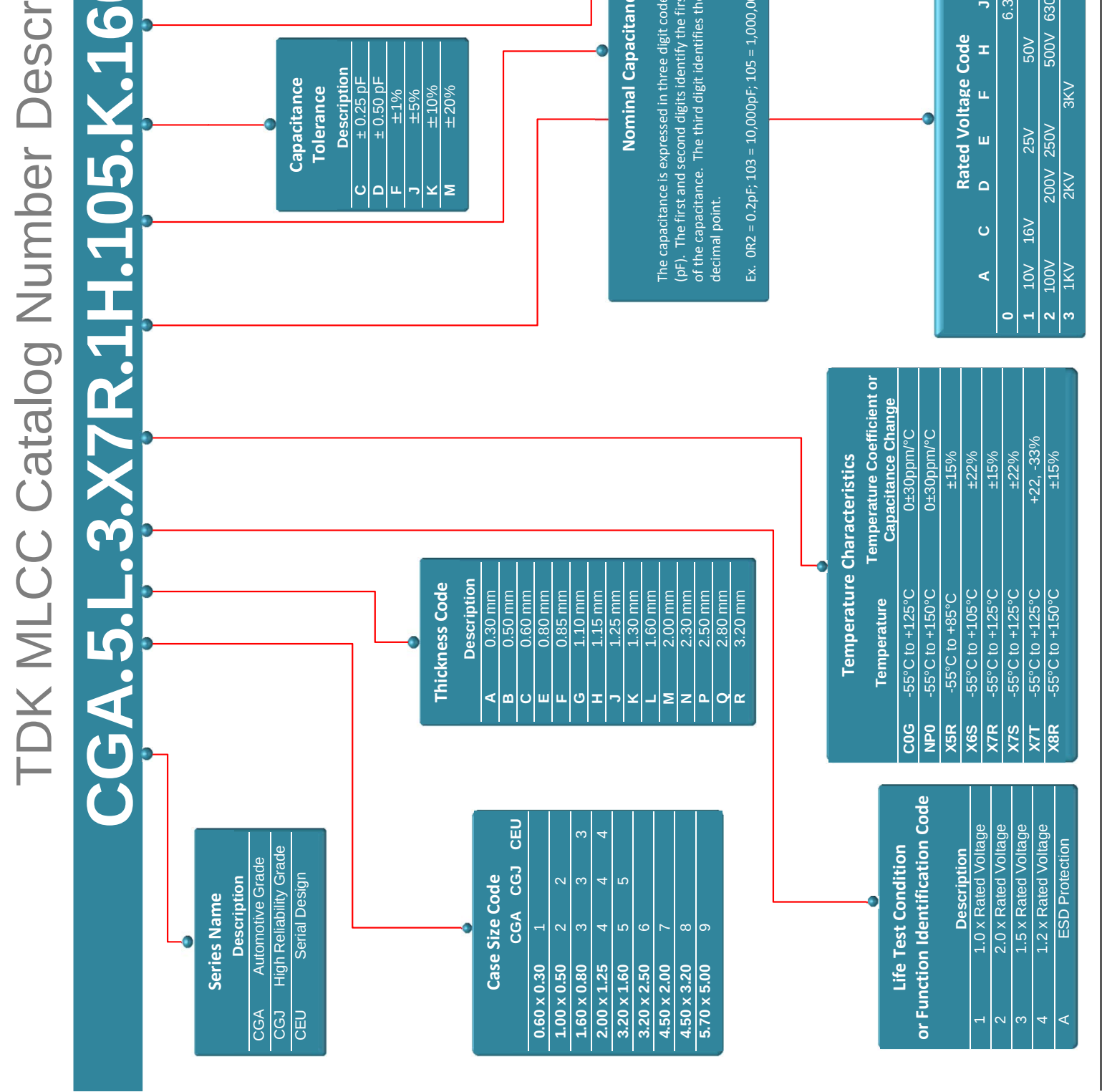
Rated Voltage Code										
A	C	D	E	F	G	H	J	V	W	
0					4V		6.3V			
1	10V	16V	25V			50V		35V		
2	100V	200V	250V				630V		450V	
3	1KV		2KV		3KV					

Capacitance Tolerance	
Description	
B	± 0.10 pF
C	± 0.25 pF
D	± 0.50 pF
F	± 1%
G	± 2%
J	± 5%
K	± 10%
M	± 20%

Thickness Code	
Description	
020	0.20 mm
030	0.30 mm
045	0.45 mm
050	0.50 mm
055	0.55 mm
060	0.60 mm
070	0.70 mm
080	0.80 mm
085	0.85 mm
100	1.00 mm
110	1.10 mm
115	1.15 mm
125	1.25 mm
130	1.30 mm
160	1.60 mm
200	2.00 mm
230	2.30 mm
250	2.50 mm
280	2.80 mm
290	2.90 mm
320	3.20 mm
335	3.35 mm
500	5.00 mm

Nominal Capacitance

The capacitance is expressed in three digit codes as follows.
The first and second digits identify the first and second significant digits of the capacitance. The third digit identifies the multiplier or power of ten.
Ex. 0R2 = 0.2pF; 103 = 10,000pF; 105 = 1,000,000pF



CGB.3.C.1.X5R.0J.106.M.06

Series Name	
Description	Low Profile
CGB	

Case Size Code	
Description	CGB
0.60 x 0.30	1
1.00 x 0.50	2
1.60 x 0.80	3
2.00 x 1.25	4

Thickness Code	
Description	
T	0.22 mm max.
A	0.33 mm max.
S	0.50 mm max.
B	0.55 mm max.
C	0.65 mm max.

Capacitance Tolerance	
Description	
K	±10%
M	±20%

Nominal Capacitance

The capacitance is expressed in three digit codes (pF). The first and second digits identify the first of the capacitance. The third digit identifies the decimal point.

Ex. 0R2 = 0.2pF; 103 = 10,000pF; 105 = 1,000,000pF

Life Test Condition	
Description	
1	1.0 x Rated Voltage
3	1.5 x Rated Voltage

Temperature Characteristics	
Temperature	Tolerance
JB	-25°C to +85°C ±10%
X5R	-55°C to +85°C ±15%
X6S	-55°C to +105°C ±22%
X7R	-55°C to +125°C ±15%
X7S	-55°C to +125°C ±22%

Rated Voltage Code	
	G J A C E
0	4V 6.3V
1	10V 16V 25V

Looking for pricing, stock, or lifecycle information?

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- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management