

HOW TO ORDER

CODE 1

CODE 2

CODE 3

...

G

B

1	0	2
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VOLTAGE RATING (WDC)		
CODE 2	VOLTAGE	
A	12	V
B	16	V
C	25	V
* D	50	V
* E	100	V
* F	500	V
* G	1000	V
3B	1.2	KV
3C	1.5	KV
* H2	2	KV
3E	2.5	KV
* H3	3	KV
H3.15	3.15	KV
H4	4	KV
* H5	5	KV
H6	6	KV
H8	8	KV
4A	10	KV
4B	12.5	KV
4C	15	KV
4D	20	KV

* common voltages used

TEMPERATURE CHARACTERISTICS	
CODE 3	T.C.
A	Y5T
B	Z5F
C	Z5R
D	Z5P
E	Z5U
F	Z5V
G	S2L
G2	SL
H	S3N
I	Y5V
J	X5P
K	Z5T
L	Y5P
M	P100
N	NPO
P	N150
Q	N220
R	N330
S	N470
T	N750
U	Y5F
W	N2200
X	N3300
Y	Y5U
Z	X7R

CAPACITANCE VALUE IN PICO FARADS		
EXAMPLES:		
CAPACITANCE VALUES		CODE 4
0.5 pF		R50
1.0 pF		1R0
1.5 pF		1R5
2.2 pF		2R2
4.7 pF		4R7
6.8 pF		6R8
10 pF		100
22 pF		220
47 pF		470
68 pF		680
100 pF		101
220 pF		221
470 pF		471
680 pF		681
1 nF = 1000 pF		102
2.2 nF = 2200 pF		222
4.7 nF = 4700 pF		472
6.8 nF = 6800 pF		682
0.01 μF = 10 nF = 10 000 pF		103
0.022 μF = 22 nF = 22 000 pF		223
0.1 μF = 100 nF = 100 000 pF		104
1.0 μF = 1000 nF = 1000 000 pF		105

Capacitance Codes, expressed in picofarad (p)
 First 2 digits are significant
 Third digit represents the number of zeros
 "R" indicates decimal for values under 10 pF.

DESCRIPTION FOR THE ABOVE PART #

GB 102 K 5 F 12

Ceramic Disc Capacitor:

1000 Volts / Z5F / 1000 pF / K = ±10% Tolerance / Lead Spacing 5.0 mm /
 Lead Style Figure F on page 40 (Custom Spec.) / Lead Length 12 mm



LEADLENGTH ONLY USED FOR FIGURE F
(NON-STANDARD LEAD STYLE CAPACITORS)

... **CODE 4**

CODE 5

CODE 6

CODE 7

K

TOLERANCE	
CODE 5	Tolerance
C	± .25 pF
D	± .50 pF
F	± 1%
G	± 2%
J	± 5%
K	± 10%
M	± 20%
Z	± 80%, -20%
GMV	Guaranteed Min. Value

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LEAD SPACING		
CODE 6	Measure (mm)	Inches
2	2.54	0.1
5	5.08	0.2
6	6.35	0.25
7	7.5	0.3
9	9.5	0.375
10	10.0	0.4
12	12.7	0.5

See Page 42, Table I for Standard Specs.

F

PACKAGING	LEAD STYLE	
	Figure	CODE 7
BULK	A	A
	B	B
	C	C
	D	D
	E	E
	F	F
	G	G
	H	H
	I	I
TAPED	K	KA
	K	KR
	L	LA
	L	LR

* See Figures on Page 40 & 41

* NOTE: Figure F is Non-Standard
CODE 8 m must be specified in mm

12

LEAD LENGTH	
Using CODE 7	CODE 8 (in mm)
NON-STANDARD ITEMS	
F	Lead length must be specified in millimeters (mm) since Figure F is the only NON-STANDARD Figure shown on Page 40
STANDARD ITEMS	
A	Lead length specifications for CODE 8 are NOT required for these standard dimensions see Page 40
B	
C	
D	
E	
G	
H	
I	
KA	see dimensions Page 41
KR	
LA	
LR	

CODE 9 (only for epoxy coating)

All capacitors are made with brown color (Durez Coating). Upon customer's request add letter "X" at the end of the part number for blue color epoxy coating.

EXAMPLES (Fig. F)	
CODE 8	Measure of Lead Length
12	12 mm
28	28 mm
39.5	39.5 mm
57	57 mm

EXAMPLE FROM PAGE 48

"TYPE" FOR STANDARD ITEMS

TYPE: GB 471 K

CODE (1) (2) (3) (4) (5) (6) (7)

PART # G B 471 K

AS PER CUSTOMER'S REQUIREMENT