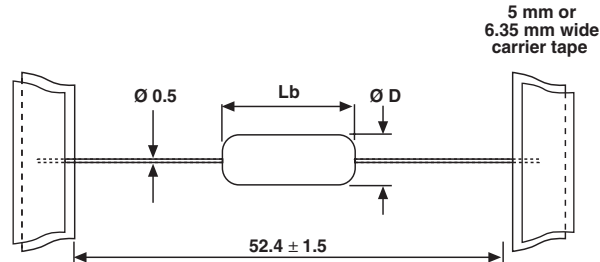


Dipped Axial Multilayer Ceramic Capacitors for 200 - 500 Vdc


RoHS
COMPLIANT

DIMENSIONS


CAPACITOR DIMENSIONS AND WEIGHT			
SIZE	Lb _{max} ⁽¹⁾	Ø D _{max} ⁽¹⁾	WEIGHT (g)
15	3.8 (0.150)	2.5 (0.100)	≈ 0.14
20	5.0 (0.200)	3.0 (0.120)	≈ 0.15

Note

1. Dimensions between the parentheses are in inches

QUICK REFERENCE DATA			
DESCRIPTION	VALUE		
Capacitance range	33 pF to 2200 pF		100 pF to 0.047 µF
Rated DC voltage	200 V	500 V	200 V 500 V
Tolerance on capacitance	± 5 %/± 10 %		± 10 %/± 20 %
Dielectric Code	C0G (NP0)		X7R

ORDERING INFORMATION							
A	103	K	15	X7R	K	5	TAA
PRODUCT TYPE	CAPACITANCE CODE	CAP. TOLERANCE	SIZE CODE	TEMP. CHAR.	RATED VOLTAGE	LEAD DIA.	PACKAGING
A = Mono-Axial	Two significant digits followed by the number of zeros. For example: 473 = 47 000 pF	J = ± 5 % K = ± 10 % M = ± 20 %	15 = 3.8 (0.15") max. 20 = 5.0 (0.20") max.	C0G X7R	K = 200 V L = 500 V	5 = 0.5 mm (0.20")	TAA = T & R UAA = AMMO
Ordering Example: A-103-K-15-X7R-K-5-TAA							



CAPACITANCE RANGE CHART

COG (NP0) DIELECTRIC

SIZE		15		20	
RATED VOLTAGE		200	500	200	500
VALUE	CODE				
10 pF	100				
12 pF	120				
15 pF	150				
18 pF	180				
22 pF	220				
27 pF	270				
33 pF	330	•	•		
39 pF	390	•	•		
47 pF	470	•	•		
56 pF	560	•	•		
68 pF	680	•	•		
82 pF	820	•	•		
100 pF	101	•	•		
120 pF	121	•	•		
150 pF	151	•	•		
180 pF	181	•	•		
220 pF	221	•	•		
270 pF	271	•	•		
330 pF	331	•	•		
390 pF	391	•	•		
470 pF	471	•			•
560 pF	561	•			•
680 pF	681	•			•
820 pF	821	•			•
1000 pF	102			•	•
1200 pF	122			•	
1500 pF	152			•	
1800 pF	182			•	
2200 pF	222			•	
2700 pF	272				
3300 pF	332				
3900 pF	392				
4700 pF	472				
5600 pF	562				
6800 pF	682				
8200 pF	822				
0.01 µF	103				•
0.012 µF	123				•
0.015 µF	153				•
0.018 µF	183				•
0.022 µF	223				•
0.027 µF	273				•
0.033 µF	333				•
0.039 µF	393				•
0.047 µF	473				•
0.056 µF	563				
0.068 µF	683				
0.082 µF	823				
0.10 µF	104				

X7R DIELECTRIC

SIZE		15		20	
RATED VOLTAGE		200	500	200	500
VALUE	CODE				
100 pF	101	•	•		
120 pF	121	•	•		
150 pF	151	•	•		
180 pF	181	•	•		
220 pF	221	•	•		
270 pF	271	•	•		
330 pF	331	•	•		
390 pF	391	•	•		
470 pF	471	•	•		
560 pF	561	•	•		
680 pF	681	•	•		
820 pF	821	•	•		
1000 pF	102	•	•		
1200 pF	122	•	•		
1500 pF	152	•	•		
1800 pF	182	•	•		
2200 pF	222	•	•		
2700 pF	272	•	•		
3300 pF	332	•			•
3900 pF	392	•			•
4700 pF	472	•			•
5600 pF	562	•			•
6800 pF	682	•			•
8200 pF	822	•			•
0.01 µF	103	•			•
0.012 µF	123	•			•
0.015 µF	153	•			•
0.018 µF	183	•			•
0.022 µF	223	•			•
0.027 µF	273				•
0.033 µF	333				•
0.039 µF	393				•
0.047 µF	473				•
0.056 µF	563				
0.068 µF	683				
0.082 µF	823				
0.10 µF	104				



Dipped Axial Multilayer Ceramic Capacitors
for 200 - 500 Vdc

PART NUMBER LISTING

MONO-AXIAL X7R - 200 VDC CLEAR TEXT CODE				
CAP (pF)	RATED VOLTAGE (Vdc)	10 % TOLERANCE	20 % TOLERANCE	PACKAGING
100	200 Vdc	A101K15X7RK5TAA	A101M15X7RK5TAA	REEL
100		A101K15X7RK5UAA	A101M15X7RK5UAA	AMMO
120		A121K15X7RK5TAA	A121M15X7RK5TAA	REEL
120		A121K15X7RK5UAA	A121M15X7RK5UAA	AMMO
150		A151K15X7RK5TAA	A151M15X7RK5TAA	REEL
150		A151K15X7RK5UAA	A151M15X7RK5UAA	AMMO
180		A181K15X7RK5TAA	A181M15X7RK5TAA	REEL
180		A181K15X7RK5UAA	A181M15X7RK5UAA	AMMO
220		A221K15X7RK5TAA	A221M15X7RK5TAA	REEL
220		A221K15X7RK5UAA	A221M15X7RK5UAA	AMMO
270		A271K15X7RK5TAA	A271M15X7RK5TAA	REEL
270		A271K15X7RK5UAA	A271M15X7RK5UAA	AMMO
330		A331K15X7RK5TAA	A331M15X7RK5TAA	REEL
330		A331K15X7RK5UAA	A331M15X7RK5UAA	AMMO
390		A391K15X7RK5TAA	A391M15X7RK5TAA	REEL
390		A391K15X7RK5UAA	A391M15X7RK5UAA	AMMO
470		A471K15X7RK5TAA	A471M15X7RK5TAA	REEL
470		A471K15X7RK5UAA	A471M15X7RK5UAA	AMMO
560		A561K15X7RK5TAA	A561M15X7RK5TAA	REEL
560		A561K15X7RK5UAA	A561M15X7RK5UAA	AMMO
680		A681K15X7RK5TAA	A681M15X7RK5TAA	REEL
680		A681K15X7RK5UAA	A681M15X7RK5UAA	AMMO
820		A821K15X7RK5TAA	A821M15X7RK5TAA	REEL
820		A821K15X7RK5UAA	A821M15X7RK5UAA	AMMO
1000		A102K15X7RK5TAA	A102M15X7RK5TAA	REEL
1000		A102K15X7RK5UAA	A102M15X7RK5UAA	AMMO
1200		A122K15X7RK5TAA	A122M15X7RK5TAA	REEL
1200		A122K15X7RK5UAA	A122M15X7RK5UAA	AMMO
1500		A152K15X7RK5TAA	A152M15X7RK5TAA	REEL
1500		A152K15X7RK5UAA	A152M15X7RK5UAA	AMMO
1800		A182K15X7RK5TAA	A182M15X7RK5TAA	REEL
1800		A182K15X7RK5UAA	A182M15X7RK5UAA	AMMO
2200		A222K15X7RK5TAA	A222M15X7RK5TAA	REEL
2200		A222K15X7RK5UAA	A222M15X7RK5UAA	AMMO
2700		A272K15X7RK5TAA	A272M15X7RK5TAA	REEL
2700		A272K15X7RK5UAA	A272M15X7RK5UAA	AMMO
3300		A332K15X7RK5TAA	A332M15X7RK5TAA	REEL
3300		A332K15X7RK5UAA	A332M15X7RK5UAA	AMMO
3900		A392K15X7RK5TAA	A392M15X7RK5TAA	REEL
3900		A392K15X7RK5UAA	A392M15X7RK5UAA	AMMO
4700	A472K15X7RK5TAA	A472M15X7RK5TAA	REEL	
4700	A472K15X7RK5UAA	A472M15X7RK5UAA	AMMO	
5600	A562K15X7RK5TAA	A562M15X7RK5TAA	REEL	
5600	A562K15X7RK5UAA	A562M15X7RK5UAA	AMMO	
6800	A682K15X7RK5TAA	A682M15X7RK5TAA	REEL	
6800	A682K15X7RK5UAA	A682M15X7RK5UAA	AMMO	
8200	A822K15X7RK5TAA	A822M15X7RK5TAA	REEL	
8200	A822K15X7RK5UAA	A822M15X7RK5UAA	AMMO	
10 000	A103K15X7RK5TAA	A103M15X7RK5TAA	REEL	
10 000	A103K15X7RK5UAA	A103M15X7RK5UAA	AMMO	
12 000	A123K15X7RK5TAA	A123M15X7RK5TAA	REEL	



MONO-AXIAL X7R - 200 VDC CLEAR TEXT CODE				
CAP (pF)	RATED VOLTAGE (Vdc)	10 % TOLERANCE	20 % TOLERANCE	PACKAGING
12 000	200 Vdc	A123K15X7RK5UAA	A123M15X7RK5UAA	AMMO
15 000		A153K15X7RK5TAA	A153M15X7RK5TAA	REEL
15 000		A153K15X7RK5UAA	A153M15X7RK5UAA	AMMO
18 000		A183K15X7RK5TAA	A183M15X7RK5TAA	REEL
18 000		A183K15X7RK5UAA	A183M15X7RK5UAA	AMMO
22 000		A223K15X7RK5TAA	A223M15X7RK5TAA	REEL
22 000		A223K15X7RK5UAA	A223M15X7RK5UAA	AMMO
27 000		A273K20X7RK5TAA	A273M20X7RK5TAA	REEL
27 000		A273K20X7RK5UAA	A273M20X7RK5UAA	AMMO
33 000		A333K20X7RK5TAA	A333M20X7RK5TAA	REEL
33 000		A333K20X7RK5UAA	A333M20X7RK5UAA	AMMO
39 000		A393K20X7RK5TAA	A393M20X7RK5TAA	REEL
39 000		A393K20X7RK5UAA	A393M20X7RK5UAA	AMMO
47 000		A473K20X7RK5TAA	A473M20X7RK5TAA	REEL
47 000		A473K20X7RK5UAA	A473M20X7RK5UAA	AMMO

MONO-AXIAL C0G - 200 VDC CLEAR TEXT CODE				
CAP (pF)	RATED VOLTAGE (Vdc)	5 % TOLERANCE	10 % TOLERANCE	PACKAGING
33	200 Vdc	A330J15C0GK5TAA	A330K15C0GK5TAA	REEL
33		A330J15C0GK5UAA	A330K15C0GK5UAA	AMMO
39		A390J15C0GK5TAA	A390K15C0GK5TAA	REEL
39		A390J15C0GK5UAA	A390K15C0GK5UAA	AMMO
47		A470J15C0GK5TAA	A470K15C0GK5TAA	REEL
47		A470J15C0GK5UAA	A470K15C0GK5UAA	AMMO
56		A560J15C0GK5TAA	A560K15C0GK5TAA	REEL
56		A560J15C0GK5UAA	A560K15C0GK5UAA	AMMO
68		A680J15C0GK5TAA	A680K15C0GK5TAA	REEL
68		A680J15C0GK5UAA	A680K15C0GK5UAA	AMMO
82		A820J15C0GK5TAA	A820K15C0GK5TAA	REEL
82		A820J15C0GK5UAA	A820K15C0GK5UAA	AMMO
100		A101J15C0GK5TAA	A101K15C0GK5TAA	REEL
100		A101J15C0GK5UAA	A101K15C0GK5UAA	AMMO
120		A121J15C0GK5TAA	A121K15C0GK5TAA	REEL
120		A121J15C0GK5UAA	A121K15C0GK5UAA	AMMO
150		A151J15C0GL5TAA	A151K15C0GL5TAA	REEL
150		A151J15C0GL5UAA	A151K15C0GL5UAA	AMMO
180		A181J15C0GL5TAA	A181K15C0GL5TAA	REEL
180		A181J15C0GL5UAA	A181K15C0GL5UAA	AMMO
220		A221J15C0GL5TAA	A221K15C0GL5TAA	REEL
220		A221J15C0GL5UAA	A221K15C0GL5UAA	AMMO
270		A271J15C0GL5TAA	A271K15C0GL5TAA	REEL
270		A271J15C0GL5UAA	A271K15C0GL5UAA	AMMO
330		A331J15C0GL5TAA	A331K15C0GL5TAA	REEL
330		A331J15C0GL5UAA	A331K15C0GL5UAA	AMMO
390		A391J15C0GL5TAA	A391K15C0GL5TAA	REEL
390		A391J15C0GL5UAA	A391K15C0GL5UAA	AMMO
470		A471J20C0GL5TAA	A471K20C0GL5TAA	REEL
470		A471J20C0GL5UAA	A471K20C0GL5UAA	AMMO
560		A561J20C0GL5TAA	A561K20C0GL5TAA	REEL
560		A561J20C0GL5UAA	A561K20C0GL5UAA	AMMO
680	A681J20C0GL5TAA	A681K20C0GL5TAA	REEL	
680	A681J20C0GL5UAA	A681K20C0GL5UAA	AMMO	
820	A821J20C0GL5TAA	A821K20C0GL5TAA	REEL	



Dipped Axial Multilayer Ceramic Capacitors
for 200 - 500 Vdc

MONO-AXIAL COG - 200 VDC CLEAR TEXT CODE				
CAP (pF)	RATED VOLTAGE (Vdc)	5 % TOLERANCE	10 % TOLERANCE	PACKAGING
820	200 Vdc	A821J20C0GL5UAA	A821K20C0GL5UAA	AMMO
1000		A102J20C0GL5TAA	A102K20C0GL5TAA	REEL
1000		A102J20C0GL5UAA	A102K20C0GL5UAA	AMMO
1200		A122J20C0GL5TAA	A122K20C0GL5TAA	REEL
1200		A122J20C0GL5UAA	A122K20C0GL5UAA	AMMO
1500		A152J20C0GL5TAA	A152K20C0GL5TAA	REEL
1500		A152J20C0GL5UAA	A152K20C0GL5UAA	AMMO
1800		A182J20C0GL5TAA	A182K20C0GL5TAA	REEL
1800		A182J20C0GL5UAA	A182K20C0GL5UAA	AMMO
2200		A222J20C0GK5TAA	A220K20C0GK5TAA	REEL
2200		A222J20C0GK5UAA	A220K20C0GK5UAA	AMMO

MONO-AXIAL X7R - 500 VDC CLEAR TEXT CODE				
CAP (pF)	RATED VOLTAGE (Vdc)	10 % TOLERANCE	20 % TOLERANCE	PACKAGING
100	500 Vdc	A101K15X7RL5TAA	A101M15X7RL5TAA	REEL
100		A101K15X7RL5UAA	A101M15X7RL5UAA	AMMO
120		A121K15X7RL5TAA	A121M15X7RL5TAA	REEL
120		A121K15X7RL5UAA	A121M15X7RL5UAA	AMMO
150		A151K15X7RL5TAA	A151M15X7RL5TAA	REEL
150		A151K15X7RL5UAA	A151M15X7RL5UAA	AMMO
180		A181K15X7RL5TAA	A181M15X7RL5TAA	REEL
180		A181K15X7RL5UAA	A181M15X7RL5UAA	AMMO
220		A221K15X7RL5TAA	A221M15X7RL5TAA	REEL
220		A221K15X7RL5UAA	A221M15X7RL5UAA	AMMO
270		A271K15X7RL5TAA	A271M15X7RL5TAA	REEL
270		A271K15X7RL5UAA	A271M15X7RL5UAA	AMMO
330		A331K15X7RL5TAA	A331M15X7RL5TAA	REEL
330		A331K15X7RL5UAA	A331M15X7RL5UAA	AMMO
390		A391K15X7RL5TAA	A391M15X7RL5TAA	REEL
390		A391K15X7RL5UAA	A391M15X7RL5UAA	AMMO
470		A471K15X7RL5TAA	A471M15X7RL5TAA	REEL
470		A471K15X7RL5UAA	A471M15X7RL5UAA	AMMO
560		A561K15X7RL5TAA	A561M15X7RL5TAA	REEL
560		A561K15X7RL5UAA	A561M15X7RL5UAA	AMMO
680		A681K15X7RL5TAA	A681M15X7RL5TAA	REEL
680		A681K15X7RL5UAA	A681M15X7RL5UAA	AMMO
820		A821K15X7RL5TAA	A821M15X7RL5TAA	REEL
820		A821K15X7RL5UAA	A821M15X7RL5UAA	AMMO
1000		A102K15X7RL5TAA	A102M15X7RL5TAA	REEL
1000		A102K15X7RL5UAA	A102M15X7RL5UAA	AMMO
1200		A122K15X7RL5TAA	A122M15X7RL5TAA	REEL
1200		A122K15X7RL5UAA	A122M15X7RL5UAA	AMMO
1500		A152K15X7RL5TAA	A152M15X7RL5TAA	REEL
1500		A152K15X7RL5UAA	A152M15X7RL5UAA	AMMO
1800		A182K15X7RL5TAA	A182M15X7RL5TAA	REEL
1800		A182K15X7RL5UAA	A182M15X7RL5UAA	AMMO
2200		A222K15X7RL5TAA	A222M15X7RL5TAA	REEL
2200	A222K15X7RL5UAA	A222M15X7RL5UAA	AMMO	
2700	A272K15X7RL5TAA	A272M15X7RL5TAA	REEL	
2700	A272K15X7RL5UAA	A272M15X7RL5UAA	AMMO	
3300	A332K20X7RL5TAA	A332M20X7RL5TAA	REEL	



MONO-AXIAL X7R - 500 VDC CLEAR TEXT CODE				
CAP (pF)	RATED VOLTAGE (Vdc)	10 % TOLERANCE	20 % TOLERANCE	PACKAGING
3300	500 Vdc	A332K20X7RL5UAA	A332M20X7RL5UAA	AMMO
3900		A392K20X7RL5TAA	A392M20X7RL5TAA	REEL
3900		A392K20X7RL5UAA	A392M20X7RL5UAA	AMMO
4700		A472K20X7RL5TAA	A472M20X7RL5TAA	REEL
4700		A472K20X7RL5UAA	A472M20X7RL5UAA	AMMO
5600		A562K20X7RL5TAA	A562M20X7RL5TAA	REEL
5600		A562K20X7RL5UAA	A562M20X7RL5UAA	AMMO
6800		A682K20X7RL5TAA	A682M20X7RL5TAA	REEL
6800		A682K20X7RL5UAA	A682M20X7RL5UAA	AMMO
8200		A822K20X7RL5TAA	A822M20X7RL5TAA	REEL
8200		A822K20X7RL5UAA	A822M20X7RL5UAA	AMMO
10 000		A103K20X7RL5TAA	A103M20X7RL5TAA	REEL
10 000		A103K20X7RL5UAA	A103M20X7RL5UAA	AMMO
12 000		A123K20X7RL5TAA	A123M20X7RL5TAA	REEL
12 000		A123K20X7RL5UAA	A123M20X7RL5UAA	AMMO
15 000		A153K20X7RL5TAA	A153M20X7RL5TAA	REEL
15 000		A153K20X7RL5UAA	A153M20X7RL5UAA	AMMO
18 000		A183K20X7RL5TAA	A183M20X7RL5TAA	REEL
18 000		A183K20X7RL5UAA	A183M20X7RL5UAA	AMMO
22 000		A223K20X7RL5TAA	A223M20X7RL5TAA	REEL
22 000		A223K20X7RL5UAA	A223M20X7RL5UAA	AMMO
27 000		A273K20X7RL5TAA	A273M20X7RL5TAA	REEL
27 000		A273K20X7RL5UAA	A273M20X7RL5UAA	AMMO
33 000		A333K20X7RL5TAA	A333M20X7RL5TAA	REEL
33 000		A333K20X7RL5UAA	A333M20X7RL5UAA	AMMO

MONO-AXIAL COG - 500 VDC CLEAR TEXT CODE				
CAP (pF)	RATED VOLTAGE (Vdc)	5 % TOLERANCE	10 % TOLERANCE	PACKAGING
33	500 Vdc	A330J15C0GL5TAA	A330K15C0GL5TAA	REEL
33		A330J15C0GL5UAA	A330K15C0GL5UAA	AMMO
39		A390J15C0GL5TAA	A390K15C0GL5TAA	REEL
39		A390J15C0GL5UAA	A390K15C0GL5UAA	AMMO
47		A470J15C0GL5TAA	A470K15C0GL5TAA	REEL
47		A470J15C0GL5UAA	A470K15C0GL5UAA	AMMO
56		A560J15C0GL5TAA	A560K15C0GL5TAA	REEL
56		A560J15C0GL5UAA	A560K15C0GL5UAA	AMMO
68		A680J15C0GL5TAA	A680K15C0GL5TAA	REEL
68		A680J15C0GL5UAA	A680K15C0GL5UAA	AMMO
82		A820J15C0GL5TAA	A820K15C0GL5TAA	REEL
82		A820J15C0GL5UAA	A820K15C0GL5UAA	AMMO
100		A101J15C0GL5TAA	A101K15C0GL5TAA	REEL
100		A101J15C0GL5UAA	A101K15C0GL5UAA	AMMO
120		A121J15C0GL5TAA	A121K15C0GL5TAA	REEL
120		A121J15C0GL5UAA	A121K15C0GL5UAA	AMMO
150		A151J15C0GL5TAA	A151K15C0GL5TAA	REEL
150		A151J15C0GL5UAA	A151K15C0GL5UAA	AMMO
180		A181J15C0GL5TAA	A181K15C0GL5TAA	REEL
180		A181J15C0GL5UAA	A181K15C0GL5UAA	AMMO
220		A221J15C0GL5TAA	A221K15C0GL5TAA	REEL
220		A221J15C0GL5UAA	A221K15C0GL5UAA	AMMO



Dipped Axial Multilayer Ceramic Capacitors
for 200 - 500 Vdc

MONO-AXIAL COG - 500 VDC CLEAR TEXT CODE				
CAP (pF)	RATED VOLTAGE (Vdc)	5 % TOLERANCE	10 % TOLERANCE	PACKAGING
270	500 Vdc	A271J15C0GL5TAA	A271K15C0GL5TAA	REEL
270		A271J15C0GL5UAA	A271K15C0GL5UAA	AMMO
330		A331J15C0GL5TAA	A331K15C0GL5TAA	REEL
330		A331J15C0GL5UAA	A331K15C0GL5UAA	AMMO
390		A391J15C0GL5TAA	A391K15C0GL5TAA	REEL
390		A391J15C0GL5UAA	A391K15C0GL5UAA	AMMO
470		A471J20C0GL5TAA	A471K20C0GL5TAA	REEL
470		A471J20C0GL5UAA	A471K20C0GL5UAA	AMMO
560		A561J20C0GL5TAA	A561K20C0GL5TAA	REEL
560		A561J20C0GL5UAA	A561K20C0GL5UAA	AMMO
680		A681J20C0GL5TAA	A681K20C0GL5TAA	REEL
680		A681J20C0GL5UAA	A681K20C0GL5UAA	AMMO
820		A821J20C0GL5TAA	A821K20C0GL5TAA	REEL
820		A821J20C0GL5UAA	A821K20C0GL5UAA	AMMO
1000		A102J20C0GL5TAA	A102K20C0GL5TAA	REEL
1000		A102J20C0GL5UAA	A102K20C0GL5UAA	AMMO



Disclaimer

All product specifications and data are subject to change without notice.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay for any damages arising or resulting from such use or sale. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.