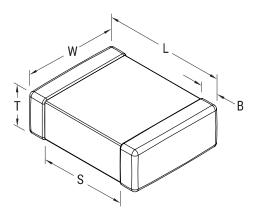
KEMET Part Number: C0603V102KDRACTU

(C0603V102KDRAC7867)



ArcShield SMD Comm X7R HV, Ceramic, 1000 pF, 10%, 1000 VDC, X7R, SMD, MLCC, ArcShield, High Voltage, Temperature Stable, 0603



Dimensions		
Chip Size	0603	
L	1.6mm +/-0.15mm	
W	0.8mm +/-0.15mm	
Т	0.8mm +/-0.10mm	
S	0.7mm MIN	
В	0.35mm +/-0.15mm	

Packaging Specifications		
Packaging:	T&R, 180mm, Paper Tape	
Packaging Quantity:	4000	

General Information		
Series:	ArcShield SMD Comm X7R HV	
Style:	SMD Chip	
Description:	SMD, MLCC, ArcShield, High Voltage, Temperature Stable	
Features:	High Voltage, Temperature Stable	
RoHS:	Yes	
Termination:	Tin	
Marking:	No	
AEC-Q200:	No	
Miscellaneous:	X7R dielectric is not recommended for AC line filtering or pulse applications.	
Shelf Life:	78 Weeks	
MSL:	1	

Specifications	
Capacitance:	1000 pF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	1000 VDC
Dielectric Withstanding Voltage:	1200 VDC
Temperature Range:	-55/+125°C
Temperature Coefficient:	X7R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	15%, 1kHz 1.0Vrms
Dissipation Factor:	2.5% 1 kHz 1.0Vrms
Aging Rate:	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance:	10 GOhms

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.



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M39014/02-1225V M39014/22-0631 D55342E07B523DR-T/R NCA1206X7R103K50TRPF NCA1206X7R104K16TRPF NIN-FB391JTRF
NIN-FC2R7JTRF NMC0201X5R474K4TRPF NMC0402NPO220J50TRPF NMC0402X5R105K6.3TRPF NMC0402X5R224K6.3TRPF
NMC0402X7R103J25TRPF NMC0402X7R153K16TRPF NMC0603NPO1R8C50TRPF NMC0603NPO20J50TRPF
NMC0603NPO330G50TRPF NMC0603X5R475M6.3TRPF NMC0805NPO270J50TRPF NMC0805NPO820J50TRPF
NMC0805X7R224K16TRPLPF NMC0805X7R224K25TRPF NMC1206X7R102K50TRPF NMC1206X7R106K10TRPLPF
NMC1206X7R475K10TRPLPF NMC-H0805X7R472K250TRPF NMC-L0402NPO7R0C50TRPF NMC-L0603NPO2R2B50TRPF NMC-Q0402NPO8R2D200TRPF C1206C101J1GAC C1608C0G2A221J C1608X7R1E334K C2012C0G2A472J 2220J2K00562KXT
1812J2K00332KXT CDR31BX103AKWR CDR33BX104AKUR CDR33BX683AKUS CGA2B2C0G1H010C CGA2B2C0G1H040C
CGA2B2C0G1H050C CGA2B2C0G1H060D CGA2B2C0G1H070D CGA2B2C0G1H120J CGA2B2C0G1H391J
CGA2B2C0G1H3R3C