

TOP VIEW
Single or Double Chip Stack

PROFILE VIEW
Single Chip Stack



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General Information

Series	KPS SMD Comm X7R HV
Style	Stacked Chip
Description	SMD, MLCC, Stacked, Single Chip, High Voltage, Temperature Stable
Features	Temperature Stable
RoHS	Yes
Termination	Tin
Typical Component Weight	410 mg
Miscellaneous	X7R dielectric is not recommended for AC line filtering or pulse applications.
Shelf Life	78 Weeks
MSL	1

Dimensions

L	6mm +/-0.5mm
W	5mm +/-0.5mm
T	3.5mm +/-0.30mm
B	1.6mm +/-0.3mm

Packaging Specifications

Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	300

Specifications

Capacitance	0.1 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	630 VDC
Dielectric Withstanding Voltage	945 VDC
Temperature Range	-55/+125°C
Temp. 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

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