



Part: V120ZS1
Series: ZA Series - Low to Medium Voltage Radial Leaded Varistor
Technology: Metal Oxide Varistor

PARAMETERS		
Package Type	Pkg Type	Radial Leaded
Mount Method	Mount	Through Hole
Disc Diameter	Size	7
Rated AC Voltage	V _{MAC} (V)	75
Continuous DC Voltage	V _{MDC} (V)	102.0
Maximum Non-Repetitive Surge Energy	W _{TM}	6.00
Maximum Non-Repetitive Surge Current	I _{TM} Non-Repetitive (A)	1200
Maximum Surge Current	I _{TM} (A)	
Minimum Varistor Voltage at 1mA DC test current	V _{NOM} MIN	108.00
Nominal Voltage	V _N DC (V)	0.00
Maximum Varistor Voltage at 1mA DC test current	V _{NOM} MAX	132.00
Clamping Voltage	V _C (V)	205
Peak Current	I _{PK} (A)	10.00
Typical Capacitance at 1Mhz	Typ Capacitance	300
Duty Cycle Surge Rating 3kA (8x20Âµs) # Pulses	3kA Surge	
Duty Cycle Surge Rating 750A (8x20Âµs) # Pulses	750A Surge	
Clamping Polarity	Clamp Polarity	Bi-directional
Package Size	Pkg Size	7mm Radial Leaded
Battery/System Voltage 12/14	Volt 12/14	
Battery/System Voltage 24/28	Volt 24/28	
Battery/System Voltage 36/42	Volt 36/42	



PROTECTS AGAINST:

EFT (Electrical Fast Transient)

AC Mains

Board Level

Lightning Transients

Board Level

Other Threats

Inductive Switching / Commutative Spikes