

Glass Encapsulated SMD Varistor MLV

(VJ12, 20, 13, 14, 15)

Industrial MLV Range – M0 Series

INDUSTRIAL MLV RANGE – VJ12, 20, 13, 14, 15 M0 SERIES

FEATURES

- Glass encapsulation device with very low leakage current under DC operating conditions
- Device available in case size 1206, 1210, 1812, 2220 (3220)
- Nickel and Tin (100%) plated Termination (Hybrid AgPdPt termination available upon request)
- Bi-Directional protection. Fast Turn-On Time.
- Excellent transient clamping characteristics up to 1200amps peak current
- Multi strike capability. Provide EMC Capacitance
- RoHS Compliant

GENERAL CHARACTERISTICS

Storage Temperature: -55°C to +150°C
Operating Temperature: -55°C to +125°C

TYPICAL APPLICATIONS

Many uses to reduce transient over-voltage in the very wide range of electronic products in the Professional, Industrial and Consumer Applications.

Type	Case Size	Vrms	VDC	Breakdown Voltage	Max. Clamping Voltage	Ip (A)	Maximum Leakage Current	Energy 10*1000µs	Max. Peak Current 8*20µs	Cap. Typical (1KHz/0.5V)
		(V)	(V)	(V)	Vp (V)		µA	(J)	(A)	(pF)
VJ20M00140K---	1206	14	18	22±10%	38	1	20	0.5	200	900
VJ13M00140K---	1210	14	18	22±10%	38	2.5	20	1.6	400	1800
VJ14M00140K---	1812	14	18	22±10%	38	5	20	2.3	800	4200
VJ15M00140K---	2220	14	18	22±10%	38	10	20	5.8	1200	9600
VJ20M00170K---	1206	17	22	27±10%	44	1	20	0.6	200	800
VJ13M00170K---	1210	17	22	27±10%	44	2.5	20	1.7	500	2500
VJ14M00170K---	1812	17	22	27±10%	44	5	20	2.7	800	3700
VJ15M00170K---	2220	17	22	27±10%	44	10	20	7.2	1200	8600
VJ20M00200K---	1206	20	26	33±10%	54	1	20	0.7	200	550
VJ13M00200K---	1210	20	26	33±10%	54	2.5	20	1.9	500	1200
VJ14M00200K---	1812	20	26	33±10%	54	5	20	3	800	2800
VJ15M00200K---	2220	20	26	33±10%	54	10	20	7.8	1200	6400
VJ20M00250K---	1206	25	31	39±10%	65	1	20	1	200	500
VJ13M00250K---	1210	25	31	39±10%	65	2.5	20	1.7	500	1100
VJ14M00250K---	1812	25	31	39±10%	65	5	20	3.7	800	2600
VJ15M00250K---	2220	25	31	39±10%	65	10	20	9.6	1200	5800
VJ20M00300K---	1206	30	38	47±10%	77	1	20	1.1	200	400
VJ13M00300K---	1210	30	38	47±10%	77	2.5	20	2	400	1200
VJ14M00300K---	1812	30	38	47±10%	77	5	20	4.2	800	1800
VJ15M00300K---	2220	30	38	47±10%	77	10	20	12	1200	4200
VJ20M00350K---	1206	35	45	56±10%	90	1	20	0.6	200	260
VJ13M00350K---	1210	35	45	56±10%	90	2.5	20	1.5	300	1200
VJ14M00350K---	1812	35	45	56±10%	90	5	20	4	500	2500
VJ15M00350K---	2220	35	45	56±10%	90	10	20	10	1000	4000
VJ20M00400K---	1206	40	56	68±10%	110	1	20	0.7	100	190
VJ13M00400K---	1210	40	56	68±10%	110	2.5	20	2.3	250	380
VJ14M00400K---	1812	40	56	68±10%	110	5	20	4.8	500	800
VJ15M00400K---	2220	40	56	68±10%	110	10	20	9	1000	2000
VJ20M00500K---	1206	50	65	82±10%	135	1	20	0.8	100	130
VJ13M00500K---	1210	50	65	82±10%	135	2.5	20	1.6	250	700
VJ14M00500K---	1812	50	65	82±10%	135	5	20	4.5	400	600
VJ15M00500K---	2220	50	65	82±10%	135	10	20	7	800	1400
VJ20M00600K---	1206	60	85	100±10%	165	1	20	0.9	100	100
VJ13M00600K---	1210	60	85	100±10%	165	2.5	20	1.5	250	600
VJ14M00600K---	1812	60	85	100±10%	165	5	20	4.5	400	500
VJ15M00600K---	2220	60	85	100±10%	165	10	20	6.8	800	1100



Glass Encapsulated SMD Varistor MLV **AVX** (VJ12, 20, 13, 14, 15)

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V/I CHARACTERISTIC

