

## ES Series (For ESD Protection) of Surface Mount Multilayer

### Features:

- Fast Response < 0.5 ns
- Low Working Voltage 5 V
- Low Capacitance
- Low Leakage Current < 1  $\mu$ A
- Low Clamping Voltage

### Applications:

- Cell Phones
- Digital Cameras
- PDAs
- MP3
- Notebooks

Part Number	Working Voltage (Max)	Clamping Voltage (Max)	Leakage Current (Max)	Typical Capacitance Value (1 MHz)	Tolerance of Cap.
	DC(V)	(V)	ILDC( $\mu$ A)	C (pF)	(%)
MLV0201ES005V0033N	5.5	45	0.1	33	$\pm$ 30
MLV0201ES012V0012N	12	55	0.1	12	$\pm$ 30
MLV0402ES005V0100N	5.5	55	1	100	$\pm$ 30
MLV0402ES005V0056N	5.5	55	1	56	$\pm$ 30
MLV0402ES005V0033N	5.5	55	1	33	$\pm$ 30
MLV0402ES005V0022N	5.5	55	1	22	$\pm$ 30
MLV0402ES005V0010N	5.5	60	1	10	$\pm$ 30
MLV0402ES005V0005P	5.5	76	1	5	5~ 9 pF
MLV0402ES012V0100N	12	55	1	100	$\pm$ 30
MLV0402ES012V0056N	12	55	1	56	$\pm$ 30
MLV0402ES012V0033N	12	55	1	33	$\pm$ 30
MLV0402ES012V0022N	12	55	1	22	$\pm$ 30
MLV0402ES012V0010N	12	60	1	10	$\pm$ 30
MLV0402ES012V0005P	12	80	1	5	5~9 pF
MLV0402ES024V0003N	24	120	1	3	$\pm$ 30
MLV0402ES024V02R5P	24	198	1	2.5	2~4 pF
MLV0402ES024V00R8P	24	200	1	0.8	0.8~1.5 pF
MLV0603ES005V0100N	5.5	55	1	100	$\pm$ 30
MLV0603ES005V0056N	5.5	55	1	56	$\pm$ 30
MLV0603ES005V0033N	5.5	55	1	33	$\pm$ 30
MLV0603ES005V0022N	5.5	55	1	22	$\pm$ 30
MLV0603ES005V0010N	5.5	60	1	10	$\pm$ 30
MLV0603ES005V0005P	5.5	76	1	5	5~9 pF
MLV0603ES012V0100N	12	55	1	100	$\pm$ 30
MLV0603ES012V0056N	12	55	1	56	$\pm$ 30
MLV0603ES012V0033N	12	55	1	33	$\pm$ 30
MLV0603ES012V0022N	12	55	1	22	$\pm$ 30
MLV0603ES012V0010N	12	60	1	10	$\pm$ 30
MLV0603ES012V0005P	12	80	1	5	5~9 pF
MLV0603ES024V0003N	24	120	1	3	$\pm$ 30
MLV0603ES024V02R5P	24	198	1	2.5	2~4pF
MLV0603ES024V00R8P	24	200	1	0.8	0.8~1.5 pF
MLV0805ES005V0100N	5.5	50	1	100	$\pm$ 30
MLV0805ES005V0056N	5.5	50	1	56	$\pm$ 30