MOVGT

Integrated MOV/GDT device



Product features

- Integrated metal oxide varistor (MOV) with gas discharge tube (GDT) device
- Disc sizes from 7 mm to 20 mm
- High surge current
- Drop-in footprint replacement for standard MOVs
- Long lifetime
- Pair with Bussmann™ series axial or radial fuse

Applications

- Industrial control
- Telecom
- Uninterruptible power supplies
- Lighting
- Medical electronics
- Power supplies
- Switch boards
- Surge strips
- Any Vac circuit

Agency information

- cURus recognized:
  File number, E340782 per UL1449

Environmental compliance

Ordering part number

MOVGT 07 V055 K

Family name
Size
Recommended maximum continous operating voltage (MCOV), [V055= 55 Vac]
Tolerance (K=10%)

Powering Business Worldwide

Electrical characteristics (+25 °C)

Part number	UL Volts (V_{ac})	Recommended MCOV (V_{ac})	UL MCOV (V_{ac})	Split components parameters: MOV voltage ($V_{1\ mA}$)	Split components parameters: GDT voltage ($V_{100\ V/s}$)	Platform voltage ($V_{1000\ V/\mu}$)	Peak voltage ($V_{1000\ V/\mu}$)	Withstanding surge current 1.2/50-8/20 µs 2 kV - 1 kA (Times)	MOV withstanding surge current 8/20 µs (A) (1 time)	Maximum energy 10/1000 µs (J)	Capacitance (Reference) @ 1 kHz (pF)
7 mm Disc											
MOVGT07V055K	52	55	70	82(74~90)	90(72~108)	≤150	≤710	40	1750	10	5
MOVGT07V060K	52	60	70	82(74~90)	350(280~420)	≤150	≤1020	40	1750	10	5
MOVGT07V070K	65	70	85	100(90~110)	90(72~108)	≤180	≤710	40	1750	12.5	5
MOVGT07V075K	65	80	85	100(90~110)	350(280~420)	≤180	≤1020	40	1750	12.5	5
MOVGT07V080K	75	80	100	120(108~132)	90(72~108)	≤210	≤710	40	1750	13	5
MOVGT07V090K	75	90	100	120(108~132)	350(280~420)	≤210	≤1020	40	1750	13	5
MOVGT07V100K	95	100	120	150(135~165)	90(72~108)	≤270	≤708	40	1750	15	5
MOVGT07V115K	95	115	120	150(135~165)	350(280~420)	≤270	≤1020	40	1750	15	5
MOVGT07V120K	115	120	150	180(162~198)	90(72~108)	≤320	≤710	40	1750	16	5
MOVGT07V135K	115	140	150	180(162~198)	350(280~420)	≤320	≤1020	40	1750	16	5
MOVGT07V140K	130	140	170	200(180~220)	90(72~108)	≤350	≤710	40	1750	17	5
MOVGT07V145K	130	150	170	200(180~220)	350(280~420)	≤350	≤1020	40	1750	17	5
MOVGT07V150K	140	150	185	220(198~242)	350(280~420)	≤390	≤1020	40	1750	19	5
MOVGT07V170K	140	180	185	220(198~242)	600(480~720)	≤390	≤1320	40	1750	19	5
MOVGT07V160K	150	160	200	240(216~264)	350(280~420)	≤430	≤1020	40	1750	21	5
MOVGT07V180K	150	190	200	240(216~264)	600(480~720)	≤430	≤1320	40	1750	21	5
MOVGT07V190K	175	185	230	270(243~297)	350(280~420)	≤480	≤1020	40	1750	24	5
MOVGT07V210K	175	210	230	270(243~297)	600(480~720)	≤480	≤1320	40	1750	24	5
MOVGT07V200K	190	200	250	300(270~330)	350(280~420)	≤530	≤1020	40	1750	26	5
MOVGT07V230K	190	240	250	300(270~330)	600(480~720)	≤530	≤1320	40	1750	26	5
MOVGT07V220K	210	220	280	330(297~363)	350(280~420)	≤580	≤1020	40	1750	28	5
MOVGT07V250K	210	260	280	330(297~363)	600(480~720)	≤580	≤1320	40	1750	28	5
MOVGT07V240K	230	240	300	360(324~396)	350(280~420)	≤640	≤1020	40	1750	32	5
MOVGT07V270K	230	270	300	360(324~396)	600(480~720)	≤640	≤1320	40	1750	32	5
MOVGT07V260K	250	260	330	390(351~429)	350(280~420)	≤690	≤1020	40	1750	35	5
MOVGT07V310K	250	310	330	390(351~429)	1000(800~1200)	≤690	≤1800	40	1750	35	5
MOVGT07V300K	275	300	360	430(387~473)	600(480~720)	≤760	≤1320	40	1750	40	5
MOVGT07V330K	275	340	360	430(387~473)	1000(800~1200)	≤760	≤1800	40	1750	40	5
MOVGT07V320K	300	320	390	470(423~517)	600(480~720)	≤830	≤1320	40	1750	42	5
MOVGT07V360K	300	360	390	470(423~517)	1000(800~1200)	≤830	≤1800	40	1750	42	5
MOVGT07V340K	320	340	420	510(459~561)	600(480~720)	≤986	≤1320	40	1750	45	5
MOVGT07V390K	320	400	420	510(459~561)	1000(800~1200)	≤900	≤1800	40	1750	45	5
MOVGT07V370K	350	370	460	560(504~616)	600(480~720)	≤986	≤1320	40	1750	49	5
MOVGT07V420K	350	420	460	560(504~616)	1000(800~1200)	≤990	≤1800	40	1750	49	5
MOVGT07V400K	385	400	510	620(558~682)	600(480~720)	≤1100	≤1320	40	1750	55	5
MOVGT07V460K	385	460	510	620(558~682)	1000(800~1200)	≤1100	≤1800	40	1750	55	5
MOVGT07V440K	420	440	550	680(612~748)	600(480~720)	≤1200	≤1320	40	1750	60	5
MOVGT07V520K	420	520	550	680(612~748)	1000(800~1200)	≤1200	≤1800	40	1750	60	5
MOVGT07V480K	460	480	600	750(675~825)	600(480~720)	≤1320	≤1320	40	1750	64	5
MOVGT07V560K	460	560	600	750(675~825)	1000(800~1200)	≤1320	≤1800	40	1750	64	5

Electrical characteristics (+25 °C)

Part number	UL Volts (V_{ac})	Recommended MCOV (V_{ac})	UL MCOV (V_{ac})	Split components parameters		Platform voltage ($V_{1000\ V/\mu}$)	Peak voltage ($V_{1000\ V/\mu}$)	Withstanding surge current 1.2/50-8/20 µs 4 kV - 2 kA (Times)	MOV withstanding surge current 8/20 µs (A) (1 time)	Maximum energy 10/1000 µs (J)	Capacitance (Reference) @ 1 kHz (pF)
				MOV voltage ($V_{1\ mA}$)	GDT voltage ($V_{100\ V/s}$)						
10 mm Disc											
MOVGT10V055K	52	55	70	82(74~90)	90(72~108)	≤150	≤710	40	3500	17	5
MOVGT10V060K	52	60	70	82(74~90)	350(280~420)	≤150	≤1020	40	3500	17	5
MOVGT10V070K	65	70	85	100(90~110)	90(72~108)	≤180	≤710	40	3500	18	5
MOVGT10V075K	65	75	85	100(90~110)	350(280~420)	≤180	≤1020	40	3500	18	5
MOVGT10V080K	75	80	100	120(108~132)	90(72~108)	≤210	≤710	40	3500	21	5
MOVGT10V090K	75	90	100	120(108~132)	350(280~420)	≤210	≤1020	40	3500	21	5
MOVGT10V100K	95	100	120	150(135~165)	90(72~108)	≤270	≤708	40	3500	25	5
MOVGT10V115K	95	115	120	150(135~165)	350(280~420)	≤270	≤1020	40	3500	25	5
MOVGT10V120K	115	120	150	180(162~198)	90(72~108)	≤320	≤710	40	3500	30	5
MOVGT10V135K	115	135	150	180(162~198)	350(280~420)	≤320	≤1020	40	3500	30	5
MOVGT10V140K	130	140	170	200(180~220)	90(72~108)	≤350	≤710	40	3500	35	5
MOVGT10V145K	130	145	170	200(180~220)	350(280~420)	≤350	≤1020	40	3500	35	5
MOVGT10V150K	140	150	185	220(198~242)	350(280~420)	≤390	≤1020	40	3500	39	5
MOVGT10V170K	140	170	185	220(198~242)	600(480~720)	≤390	≤1320	40	3500	39	5
MOVGT10V160K	150	160	200	240(216~264)	350(280~420)	≤430	≤1020	40	3500	42	5
MOVGT10V180K	150	180	200	240(216~264)	600(480~720)	≤430	≤1320	40	3500	42	5
MOVGT10V190K	175	190	230	270(243~297)	350(280~420)	≤480	≤1020	40	3500	49	5
MOVGT10V210K	175	210	230	270(243~297)	600(480~720)	≤480	≤1320	40	3500	49	5
MOVGT10V200K	190	200	250	300(270~330)	350(280~420)	≤530	≤1020	40	3500	54	5
MOVGT10V230K	190	230	250	300(270~330)	600(480~720)	≤530	≤1320	40	3500	54	5
MOVGT10V220K	210	220	280	330(297~363)	350(280~420)	≤580	≤1020	40	3500	58	5
MOVGT10V250K	210	250	280	330(297~363)	600(480~720)	≤580	≤1320	40	3500	58	5
MOVGT10V240K	230	240	300	360(324~396)	350(280~420)	≤640	≤1020	40	3500	65	5
MOVGT10V270K	230	270	300	360(324~396)	600(480~720)	≤640	≤1320	40	3500	65	5
MOVGT10V260K	250	260	330	390(351~429)	350(280~420)	≤690	≤1020	40	3500	70	5
MOVGT10V310K	250	310	330	390(351~429)	1000(800~1200)	≤690	≤1800	40	3500	70	5
MOVGT10V300K	275	300	360	430(387~473)	600(480~720)	≤760	≤1320	40	3500	80	5
MOVGT10V330K	275	330	360	430(387~473)	1000(800~1200)	≤760	≤1800	40	3500	80	5
MOVGT10V320K	300	320	390	470(423~517)	600(480~720)	≤830	≤1320	40	3500	85	5
MOVGT10V360K	300	360	390	470(423~517)	1000(800~1200)	≤830	≤1800	40	3500	85	5
MOVGT10V340K	320	340	420	510(459~561)	600(480~720)	≤986	≤1320	40	3500	90	5
MOVGT10V390K	320	390	420	510(459~561)	1000(800~1200)	≤900	≤1800	40	3500	90	5
MOVGT10V370K	350	370	460	560(504~616)	600(480~720)	≤986	≤1320	40	3500	92	5
MOVGT10V420K	350	420	460	560(504~616)	1000(800~1200)	≤990	≤1800	40	3500	92	5
MOVGT10V400K	385	400	510	620(558~682)	600(480~720)	≤1100	≤1320	40	3500	95	5
MOVGT10V460K	385	460	510	620(558~682)	1000(800~1200)	≤1100	≤1800	40	3500	95	5
MOVGT10V440K	420	440	550	680(612~748)	600(480~720)	≤1200	≤1320	40	3500	98	5
MOVGT10V520K	420	520	550	680(612~748)	1000(800~1200)	≤1200	≤1800	40	3500	98	5
MOVGT10V480K	460	480	600	750(675~825)	600(480~720)	≤1320	≤1320	40	3500	100	5
MOVGT10V560K	460	560	600	750(675~825)	1000(800~1200)	≤1320	≤1800	40	3500	100	5

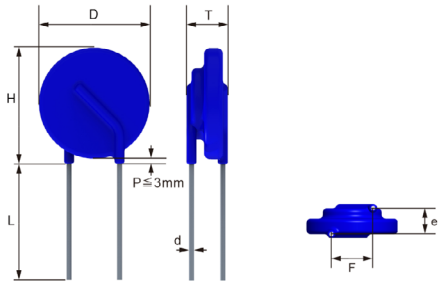
Electrical characteristics (+25 °C)

Part number	UL Volts (V_{ac})	Recommended MCOV (V_{ac})	UL MCOV (V_{ac})	Split components parameters: MOV voltage ($V_{1\ mA}$)	Split components parameters: GDT voltage ($V_{100\ V/s}$)	Platform voltage ($V_{1000\ V/\mu}$)	Peak voltage ($V_{1000\ V/\mu}$)	Withstanding surge current 1.2/50-8/20 µs 6 kV - 3 kA (Times)	MOV withstanding surge current 8/20 µs (A) (1 time)	Maximum energy 10/1000 µs (J)	Capacitance (Reference) @ 1 kHz (pF)
14 mm Disc											
MOVGT14V055K	52	55	70	82(74~90)	90(72~108)	≤150	≤710	40	6000	27	5
MOVGT14V060K	52	60	70	82(74~90)	350(280~420)	≤150	≤1020	40	6000	27	5
MOVGT14V070K	65	70	85	100(90~110)	90(72~108)	≤180	≤710	40	6000	33	5
MOVGT14V075K	65	75	85	100(90~110)	350(280~420)	≤180	≤1020	40	6000	33	5
MOVGT14V080K	75	80	100	120(108~132)	90(72~108)	≤210	≤710	40	6000	40	5
MOVGT14V090K	75	90	100	120(108~132)	350(280~420)	≤210	≤1020	40	6000	40	5
MOVGT14V100K	95	100	120	150(135~165)	90(72~108)	≤270	≤708	40	6000	53	5
MOVGT14V115K	95	115	120	150(135~165)	350(280~420)	≤270	≤1020	40	6000	53	5
MOVGT14V120K	115	120	150	180(162~198)	90(72~108)	≤320	≤710	40	6000	60	5
MOVGT14V135K	115	135	150	180(162~198)	350(280~420)	≤320	≤1020	40	6000	60	5
MOVGT14V140K	130	140	170	200(180~220)	90(72~108)	≤350	≤710	40	6000	70	5
MOVGT14V145K	130	145	170	200(180~220)	350(280~420)	≤350	≤1020	40	6000	70	5
MOVGT14V150K	140	150	185	220(198~242)	350(280~420)	≤390	≤1020	40	6000	78	5
MOVGT14V170K	140	170	185	220(198~242)	600(480~720)	≤390	≤1320	40	6000	78	5
MOVGT14V160K	150	160	200	240(216~264)	350(280~420)	≤430	≤1020	40	6000	84	5
MOVGT14V180K	150	180	200	240(216~264)	600(480~720)	≤430	≤1320	40	6000	84	5
MOVGT14V190K	175	190	230	270(243~297)	350(280~420)	≤480	≤1020	40	6000	99	5
MOVGT14V210K	175	210	230	270(243~297)	600(480~720)	≤480	≤1320	40	6000	99	5
MOVGT14V200K	190	200	250	300(270~330)	350(280~420)	≤530	≤1020	40	6000	108	5
MOVGT14V230K	190	230	250	300(270~330)	600(480~720)	≤530	≤1320	40	6000	108	5
MOVGT14V220K	210	220	280	330(297~363)	350(280~420)	≤580	≤1020	40	6000	115	5
MOVGT14V250K	210	250	280	330(297~363)	600(480~720)	≤580	≤1320	40	6000	115	5
MOVGT14V240K	230	240	300	360(324~396)	350(280~420)	≤640	≤1020	40	6000	130	5
MOVGT14V270K	230	270	300	360(324~396)	600(480~720)	≤640	≤1320	40	6000	130	5
MOVGT14V260K	250	260	330	390(351~429)	350(280~420)	≤690	≤1020	40	6000	140	5
MOVGT14V310K	250	310	330	390(351~429)	1000(800~1200)	≤690	≤1800	40	6000	140	5
MOVGT14V300K	275	300	360	430(387~473)	600(480~720)	≤760	≤1320	40	6000	155	5
MOVGT14V330K	275	330	360	430(387~473)	1000(800~1200)	≤760	≤1800	40	6000	155	5
MOVGT14V320K	300	320	390	470(423~517)	600(480~720)	≤830	≤1320	40	6000	175	5
MOVGT14V360K	300	360	390	470(423~517)	1000(800~1200)	≤830	≤1800	40	6000	175	5
MOVGT14V340K	320	340	420	510(459~561)	600(480~720)	≤986	≤1320	40	6000	180	5
MOVGT14V390K	320	390	420	510(459~561)	1000(800~1200)	≤900	≤1800	40	6000	180	5
MOVGT14V370K	350	370	460	560(504~616)	600(480~720)	≤986	≤1320	40	6000	185	5
MOVGT14V420K	350	420	460	560(504~616)	1000(800~1200)	≤990	≤1800	40	6000	185	5
MOVGT14V400K	385	400	510	620(558~682)	600(480~720)	≤1100	≤1320	40	6000	190	5
MOVGT14V460K	385	460	510	620(558~682)	1000(800~1200)	≤1100	≤1800	40	6000	190	5
MOVGT14V440K	420	440	550	680(612~748)	600(480~720)	≤1200	≤1320	40	6000	200	5
MOVGT14V520K	420	520	550	680(612~748)	1000(800~1200)	≤1200	≤1800	40	6000	200	5
MOVGT14V480K	460	480	600	750(675~825)	600(480~720)	≤1320	≤1320	40	6000	210	5
MOVGT14V560K	460	560	600	750(675~825)	1000(800~1200)	≤1320	≤1800	40	6000	210	5

Electrical characteristics (+25 °C)

Part number	UL Volts (V_{ac})	Recommended MCOV (V_{ac})	UL MCOV (V_{ac})	Split components parameters: MOV voltage ($V_{1\ mA}$)	Split components parameters: GDT voltage ($V_{100\ V/s}$)	Platform voltage ($V_{1000\ V/\mu}$)	Peak voltage ($V_{1000\ V/\mu}$)	Withstanding surge current 1.2/50-8/20 µs 10 kV - 5 kA (Times)	MOV withstanding surge current 8/20 µs (A) (1 time)	Maximum energy 10/1000 µs (J)	Capacitance (Reference) @ 1 kHz (pF)
20 mm Disc											
MOVGT20V055K	52	55	70	82(74~90)	90(72~108)	≤150	≤710	40	10000	56	5
MOVGT20V060K	52	60	70	82(74~90)	350(280~420)	≤150	≤1020	40	10000	56	5
MOVGT20V070K	65	70	85	100(90~110)	90(72~108)	≤180	≤710	40	10000	70	5
MOVGT20V075K	65	75	85	100(90~110)	350(280~420)	≤180	≤1020	40	10000	70	5
MOVGT20V080K	75	80	100	120(108~132)	90(72~108)	≤210	≤710	40	10000	85	5
MOVGT20V090K	75	90	100	120(108~132)	350(280~420)	≤210	≤1020	40	10000	85	5
MOVGT20V100K	95	100	120	150(135~165)	90(72~108)	≤270	≤708	40	10000	106	5
MOVGT20V115K	95	115	120	150(135~165)	350(280~420)	≤270	≤1020	40	10000	106	5
MOVGT20V120K	115	120	150	180(162~198)	90(72~108)	≤320	≤710	40	10000	130	5
MOVGT20V135K	115	135	150	180(162~198)	350(280~420)	≤320	≤1020	40	10000	130	5
MOVGT20V140K	130	140	170	200(180~220)	90(72~108)	≤350	≤710	40	10000	140	5
MOVGT20V145K	130	145	170	200(180~220)	350(280~420)	≤350	≤1020	40	10000	140	5
MOVGT20V150K	140	150	185	220(198~242)	350(280~420)	≤390	≤1020	40	10000	155	5
MOVGT20V170K	140	170	185	220(198~242)	600(480~720)	≤390	≤1320	40	10000	155	5
MOVGT20V160K	150	160	200	240(216~264)	350(280~420)	≤430	≤1020	40	10000	168	5
MOVGT20V180K	150	180	200	240(216~264)	600(480~720)	≤430	≤1320	40	10000	168	5
MOVGT20V190K	175	190	230	270(243~297)	350(280~420)	≤480	≤1020	40	10000	190	5
MOVGT20V210K	175	210	230	270(243~297)	600(480~720)	≤480	≤1320	40	10000	190	5
MOVGT20V200K	190	200	250	300(270~330)	350(280~420)	≤530	≤1020	40	10000	210	5
MOVGT20V230K	190	230	250	300(270~330)	600(480~720)	≤530	≤1320	40	10000	210	5
MOVGT20V220K	210	220	280	330(297~363)	350(280~420)	≤580	≤1020	40	10000	228	5
MOVGT20V250K	210	250	280	330(297~363)	600(480~720)	≤580	≤1320	40	10000	228	5
MOVGT20V240K	230	240	300	360(324~396)	350(280~420)	≤640	≤1020	40	10000	255	5
MOVGT20V270K	230	270	300	360(324~396)	600(480~720)	≤640	≤1320	40	10000	255	5
MOVGT20V260K	250	260	330	390(351~429)	350(280~420)	≤690	≤1020	40	10000	275	5
MOVGT20V310K	250	310	330	390(351~429)	1000(800~1200)	≤690	≤1800	40	10000	275	5
MOVGT20V300K	275	300	360	430(387~473)	600(480~720)	≤760	≤1320	40	10000	305	5
MOVGT20V330K	275	330	360	430(387~473)	1000(800~1200)	≤760	≤1800	40	10000	305	5
MOVGT20V320K	300	320	390	470(423~517)	600(480~720)	≤830	≤1320	40	10000	350	5
MOVGT20V360K	300	360	390	470(423~517)	1000(800~1200)	≤830	≤1800	40	10000	350	5
MOVGT20V340K	320	340	420	510(459~561)	600(480~720)	≤986	≤1320	40	10000	360	5
MOVGT20V390K	320	390	420	510(459~561)	1000(800~1200)	≤900	≤1800	40	10000	360	5
MOVGT20V370K	350	370	460	560(504~616)	600(480~720)	≤986	≤1320	40	10000	380	5
MOVGT20V420K	350	420	460	560(504~616)	1000(800~1200)	≤990	≤1800	40	10000	380	5
MOVGT20V400K	385	400	510	620(558~682)	600(480~720)	≤1100	≤1320	40	10000	390	5
MOVGT20V460K	385	460	510	620(558~682)	1000(800~1200)	≤1100	≤1800	40	10000	390	5
MOVGT20V440K	420	440	550	680(612~748)	600(480~720)	≤1200	≤1320	40	10000	400	5
MOVGT20V520K	420	520	550	680(612~748)	1000(800~1200)	≤1200	≤1800	40	10000	400	5
MOVGT20V480K	460	480	600	750(675~825)	600(480~720)	≤1320	≤1320	40	10000	420	5
MOVGT20V560K	460	560	600	750(675~825)	1000(800~1200)	≤1320	≤1800	40	10000	420	5

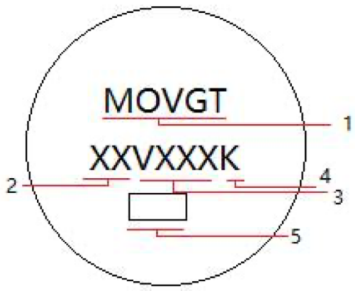
Dimensions- mm
Drawing not to scale



Circuit diagram



Part marking



Item	Description	Content
1	Family name	MOVGT
2	Size	XX = 07,10,14,20
3	Recommended MCOV voltage	VXXX (XXX = MCOV value)
4	Tolerance code	K
5	Certificate code	cURus

Table 1

Dimension	MOVGT07	MOVGT10	MOVGT14	MOVGT20
H (maximum)	10	15	20	25
L (minimum)	20	20	20	20
D (maximum)	9	13	16	23
F	5 ±1	7.5 ±0.8	7.5 ±0.8	10 ±1
T	Table 2	Table 2	Table 2	Table 2
e (±1.0)	Table 2	Table 2	Table 2	Table 2
d (±0.05)	0.6	0.8	0.8	1

Table 2

MOV Voltage	T (maximum)	e	MOV Voltage	T (maximum)	e
82	7.5	3.93	330	8.5	4.83
100	7.5	4.14	360	8.5	5
120	7.5	4.36	390	9	5.17
150	8	4.7	430	9	5.39
180	8	4	470	9	5.61
200	8	4.11	510	9	5.83
220	8	4.22	560	9	6.11
240	8	4.33	620	10	6.44
270	8	4.5	680	10	6.78
300	8.5	4.67	750	10	7.17

Note: The lead wire is tin plated with thickness 3 to 10 µm

General specifications

Operating temperature: -40 °C to +105 °C
Storage temperature (on board): -40 °C to +105 °C
Solderability: +245 ± 5 °C, 2 ± 0.5 second
Vibration: Frequency range: 10 ~ 55 Hz, Amplitude: 0.75 mm or 98 m/s^2, Direction: 3 mutually perpendicular directions, 2 hours each
High temperature storage: +105 ± 2 °C, Duration: 1000 hours
Low temperature storage: -40 ± 2 °C, Duration: 1000 hours
Humidity: +40 ± 2 °C, 90~95% R.H., Duration: 1000 hours
Temperature cycle: Conditions shall be repeated for five cycles

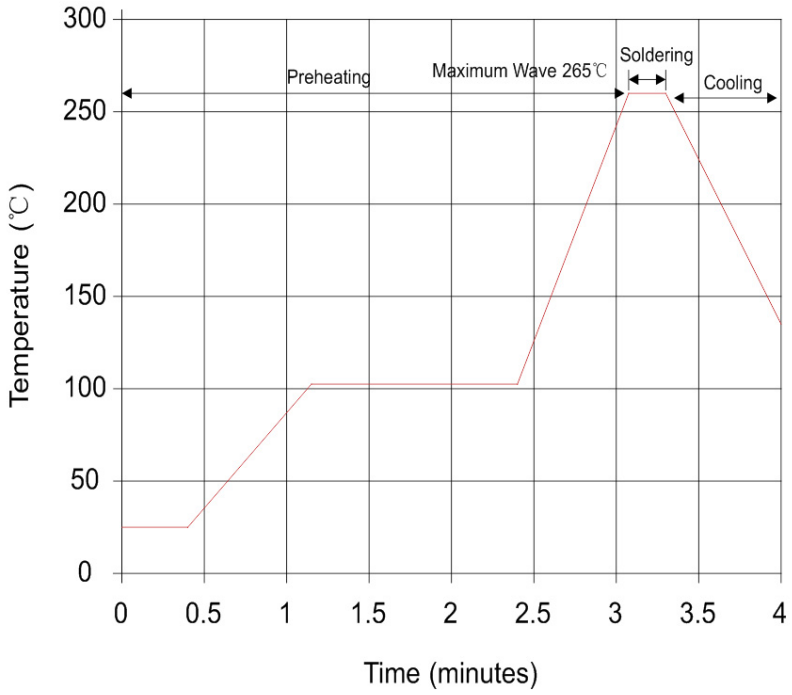
Step	Temperature °C	Period (minutes)
1	-40 ± 3	30 ± 3
2	Room temperature	15 ± 3
3	+105 ± 3	30 ± 3
4	Room temperature	15 ± 3

High temperature load: +105 ± 2 °C, Duration: 1000 hours, Load: maximum allowable voltage in AC eara.
Damp heat load: +40 ± 2 °C, 90~95% R.H., Duration: 1000 hours, Load: maximum allowable voltage
Voltage proof: 1000 V_{ac} 1 minute (820 K ~ 331 K), 1500 V_{ac} 1 minute (361 K ~ 751 K)

Packaging information - mm

Family	MOV Voltage	Quantity (pcs/polybag)	Quantity (pcs/box)	Quantity (pcs/carton)
MOVGT07	82 ~ 330 V	800	1600	12800
MOVGT07	360 ~ 620 V	600	1200	9600
MOVGT07	680 ~ 750 V	500	1000	8000
MOVGT10	82 ~ 300 V	500	1000	8000
MOVGT10	330 ~ 510 V	400	800	6400
MOVGT10	560 ~ 750 V	300	600	4800
MOVGT14	82 ~ 360 V	300	600	4800
MOVGT14	390 ~ 510 V	250	500	4000
MOVGT14	560 ~ 750 V	200	400	3200
MOVGT20	82 ~ 390 V	150	300	2400
MOVGT20	430 ~ 750 V	100	200	1600

Wave solder profile



Profile feature	Condition
Peak temperature	265 °C max.
Dipping time	10 seconds max.
Soldering	1 time

Manual solder

+360 °C (3 seconds maximum by soldering iron, 2 mm minimimum distance iron tip from device), generally manual/hand soldering is not recommended.

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Printed in USA
Publication No. ELX1161 BU-ELX22020
April 2022

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