

■ Futures

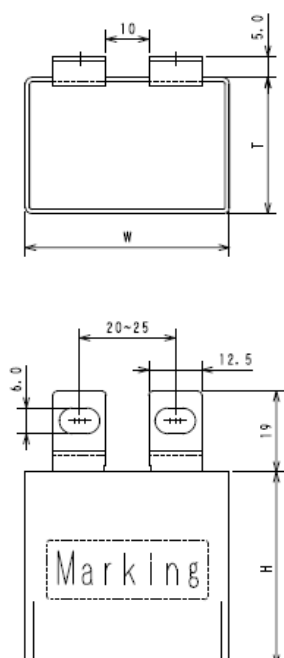
- Direct mount to IGBT/IPM terminals.
- Low ESR
- Low Inductance
- 85 resistant case and filling resin / UL-94,V-0
- RoHS compliant

■ General specifications

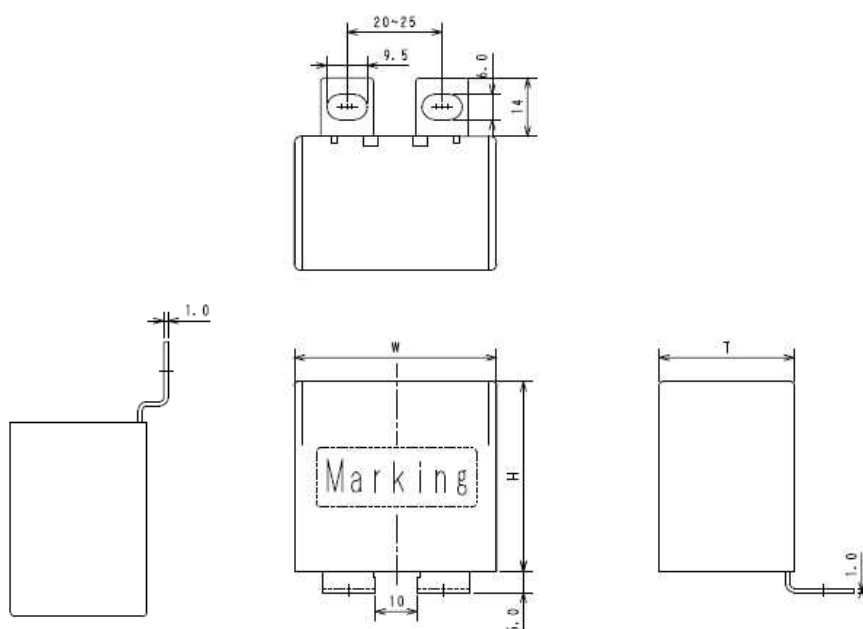
Capacitance Tolerance	:	±5%
Dissipation Factor	:	C<1.0uF : <0.1% at 1kHz , 25 C≥1.0uF : <0.2% at 1kHz , 25
Test Voltage (T-T)	:	1.5 × rated voltage (VDC) for 1 minute
Insulation Resistance (I.R.)	:	C≤0.33uF : >9000MΩ C>0.33uF : >3000/CR MΩ at 100VDC for 1 minute at 20±2
Operating Temperature	:	-25 to +85 (Capacitor surface temperature)
ESL	:	<30nH
	:	

■ Dimensional Drawings

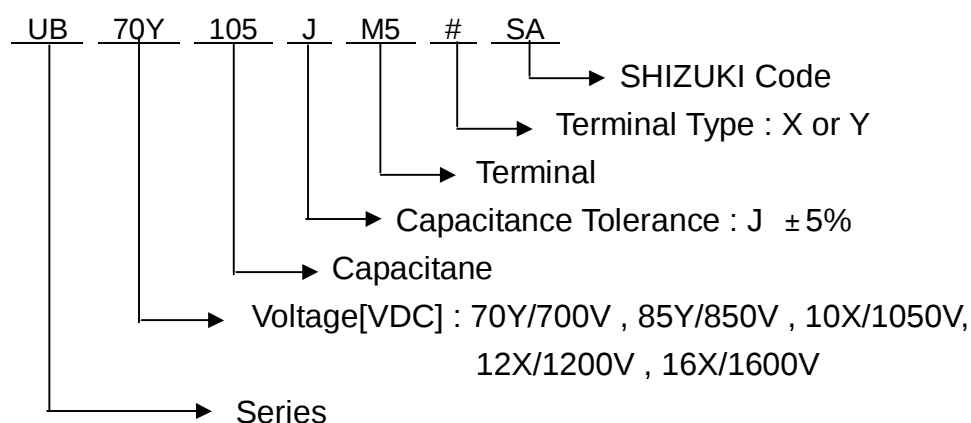
Terminal Type : X



Terminal Type : Y



■ Construction of Parts Code



■ Electrical Specifications

* at 100kHz

Parts Code /Ordering Code	Voltage [VDC]	Cap. [μ F]	Irms* [Arms]	Ipeak* [A]	dv/dt* [V/ μ s]	Dimension [mm]		
						W	H	T
UB70Y105JM5#SA	700	1.0	12	211	211	38.0	33.5	23.0
UB70Y125JM5#SA	700	1.2	13	253	211	38.0	33.5	23.0
UB70Y155JM5#SA	700	1.5	16	317	211	38.0	39.0	25.5
UB70Y185JM5#SA	700	1.8	19	380	211	38.0	39.0	25.5
UB70Y205JM5#SA	700	2.0	19	286	143	47.5	39.5	26.0
UB70Y225JM5#SA	700	2.2	20	315	143	47.5	39.5	26.0
UB70Y255JM5#SA	700	2.5	23	358	143	47.5	39.5	26.0
UB70Y305JM5#SA	700	3.0	24	429	143	47.5	39.5	26.0
UB70Y335JM5#SA	700	3.3	25	472	143	47.5	39.5	26.0
UB70Y355JM5#SA	700	3.5	27	501	143	47.5	45.5	32.0
UB70Y405JM5#SA	700	4.0	27	572	143	47.5	45.5	32.0

UB85Y824JM5#SA	850	0.82	15	208	253	38.0	33.5	23.0
UB85Y105JM5#SA	850	1.0	15	253	253	38.0	39.0	25.5
UB85Y125JM5#SA	850	1.2	18	304	253	38.0	39.0	25.5
UB85Y155JM5#SA	850	1.5	21	380	253	38.0	39.0	25.5
UB85Y185JM5#SA	850	1.8	21	309	172	47.5	39.5	26.0
UB85Y205JM5#SA	850	2.0	23	343	172	47.5	39.5	26.0
UB85Y225JM5#SA	850	2.2	25	378	172	47.5	39.5	26.0
UB85Y255JM5#SA	850	2.5	27	429	172	47.5	45.5	32.0
UB85Y305JM5#SA	850	3.0	28	515	172	47.5	45.5	32.0
UB85Y335JM5#SA	850	3.3	28	566	172	47.5	45.5	32.0
UB85Y355JM5#SA	850	3.5	29	601	172	47.5	45.5	32.0

■ Electrical Specifications (Continued)

* at 100kHz

Parts Code /Ordering Code	Voltage	Cap.	I _{rms} *	I _{peak} *	dv/dt*	Dimension [mm]		
	[VDC]	[μF]	[Arms]	[A]	[V/μs]	W	H	T
UB10X684JM5#SA	1050	0.68	12	201	296	38.0	33.5	23.0
UB10X824JM5#SA	1050	0.82	12	242	296	38.0	39.0	25.5
UB10X105JM5#SA	1050	1.0	16	296	296	38.0	39.0	25.5
UB10X125JM5#SA	1050	1.2	19	355	296	38.0	39.0	30.0
UB10X155JM5#SA	1050	1.5	20	300	200	47.5	39.5	26.0
UB10X185JM5#SA	1050	1.8	23	360	200	47.5	45.5	32.0
UB10X205JM5#SA	1050	2.0	25	400	200	47.5	45.5	32.0
UB10X225JM5#SA	1050	2.2	26	441	200	47.5	45.5	32.0
UB10X255JM5#SA	1050	2.5	27	501	200	47.5	49.5	39.0
UB10X305JM5#SA	1050	3.0	28	601	200	47.5	49.5	39.0

UB12X474JM5#SA	1200	0.47	13	159	338	38.0	33.5	23.0
UB12X564JM5#SA	1200	0.56	15	189	338	38.0	33.5	23.0
UB12X684JM5#SA	1200	0.68	17	229	337	38.0	39.0	25.5
UB12X824JM5#SA	1200	0.82	19	276	337	38.0	39.0	30.0
UB12X105JM5#SA	1200	1.0	24	337	337	38.0	39.0	30.0
UB12X125JM5#SA	1200	1.2	20	275	229	47.5	39.5	26.0
UB12X155JM5#SA	1200	1.5	24	343	229	47.5	45.5	32.0
UB12X185JM5#SA	1200	1.8	25	412	229	47.5	45.5	32.0
UB12X205JM5#SA	1200	2.0	27	457	229	47.5	49.5	39.0
UB12X225JM5#SA	1200	2.2	27	503	229	47.5	49.5	39.0
UB12X255JM5#SA	1200	2.5	29	572	229	47.5	49.5	39.0

UB16X224JM5#SA	1600	0.22	10	111	507	38.0	33.5	23.0
UB16X274JM5#SA	1600	0.27	11	137	507	38.0	39.0	25.5
UB16X334JM5#SA	1600	0.33	13	167	507	38.0	39.0	30.0
UB16X394JM5#SA	1600	0.39	14	198	507	38.0	39.0	30.0
UB16X474JM5#SA	1600	0.47	14	161	343	47.5	39.5	26.0
UB16X564JM5#SA	1600	0.56	16	192	343	47.5	45.5	32.0
UB16X684JM5#SA	1600	0.68	17	233	343	47.5	45.5	32.0
UB16X824JM5#SA	1600	0.82	20	281	343	47.5	45.5	32.0
UB16X105JM5#SA	1600	1.0	22	343	343	47.5	49.5	39.0

■ Packing specification

Parts Code	Voltage	Cap.	QTY/CTN
	[VDC]	[uF]	[pcs]
UB70Y105JM5#SA	700	1.0	300
UB70Y125JM5#SA	700	1.2	300
UB70Y155JM5#SA	700	1.5	300
UB70Y185JM5#SA	700	1.8	300
UB70Y205JM5#SA	700	2.0	200
UB70Y225JM5#SA	700	2.2	200
UB70Y255JM5#SA	700	2.5	200
UB70Y305JM5#SA	700	3.0	200
UB70Y335JM5#SA	700	3.3	200
UB70Y355JM5#SA	700	3.5	200
UB70Y405JM5#SA	700	4.0	200

Parts Code	Voltage	Cap.	QTY/CTN
	[VDC]	[uF]	[pcs]
UB12X474JM5#SA	1200	0.47	300
UB12X564JM5#SA	1200	0.56	300
UB12X684JM5#SA	1200	0.68	300
UB12X824JM5#SA	1200	0.82	250
UB12X105JM5#SA	1200	1.0	250
UB12X125JM5#SA	1200	1.2	200
UB12X155JM5#SA	1200	1.5	200
UB12X185JM5#SA	1200	1.8	200
UB12X205JM5#SA	1200	2.0	150
UB12X225JM5#SA	1200	2.2	150
UB12X255JM5#SA	1200	2.5	150

UB85Y824JM5#SA	850	0.82	300
UB85Y105JM5#SA	850	1.0	300
UB85Y125JM5#SA	850	1.2	300
UB85Y155JM5#SA	850	1.5	300
UB85Y185JM5#SA	850	1.8	200
UB85Y205JM5#SA	850	2.0	200
UB85Y225JM5#SA	850	2.2	200
UB85Y255JM5#SA	850	2.5	200
UB85Y305JM5#SA	850	3.0	200
UB85Y335JM5#SA	850	3.3	200
UB85Y355JM5#SA	850	3.5	200

UB16X224JM5#SA	1600	0.22	300
UB16X274JM5#SA	1600	0.27	300
UB16X334JM5#SA	1600	0.33	250
UB16X394JM5#SA	1600	0.39	250
UB16X474JM5#SA	1600	0.47	200
UB16X564JM5#SA	1600	0.56	200
UB16X684JM5#SA	1600	0.68	200
UB16X824JM5#SA	1600	0.82	200
UB16X105JM5#SA	1600	1.0	150

UB10X684JM5#SA	1050	0.68	300
UB10X824JM5#SA	1050	0.82	300
UB10X105JM5#SA	1050	1.0	300
UB10X125JM5#SA	1050	1.2	250
UB10X155JM5#SA	1050	1.5	200
UB10X185JM5#SA	1050	1.8	200
UB10X205JM5#SA	1050	2.0	200
UB10X225JM5#SA	1050	2.2	200
UB10X255JM5#SA	1050	2.5	150
UB10X305JM5#SA	1050	3.0	150

Standard Carton Size

Unit :mm

W	H	T
595	393	250