

Multilayer Ceramic Capacitors for Telecommunications Infrastructure and Industrial Equipment

REFLOW

PART NUMBER

M	B	A	S	T	3	1	L	S	B	5	1	0	6	K	T	N	A	0	1
①				②	③		④	⑤		⑥		⑦		⑧	⑨			⑩	

① Series

Code (1)(2)(3)(4)	
MBAS	Multilayer Ceramic Capacitor (High dielectric type) for Telecommunications Infrastructure and Industrial Equipment Multilayer Ceramic Capacitor (Temperature compensating type) for Telecommunications Infrastructure and Industrial Equipment Medium-High voltage Multilayer Ceramic Capacitor for Telecommunications Infrastructure and Industrial Equipment
MBAR	High frequency/Low loss Medium-High Voltage Multilayer Ceramic Capacitor for Telecommunications Infrastructure and Industrial Equipment
MBJC	Soft Termination Multilayer Ceramic Capacitor for Telecommunications Infrastructure and Industrial Equipment
MBRL	LW Reversal Decoupling Low ESL Capacitor (LWDC™) for Telecommunications Infrastructure and Industrial Equipment

(1) Product Group

Code	
M	Multilayer Ceramic Capacitor

(2) Category

Code	Recommended equipment	Quality Grade
B	Telecommunications Infrastructure and Industrial Equipment	2

(3) Type

Code	
A	2 terminals
J	Soft Termination
R	LW reversal

(4) Features, Characteristics

Code	
S	Standard/General
R	High frequency/Low loss
C	Internal code (Soft Termination)
L	Low ESL

② Rated voltage

Code	Rated voltage [VDC]
A	4
J	6.3
L	10
E	16
T	25
G	35
U	50
H	100
Q	250
S	630

④ Thickness

Code	Thickness [mm]
3	0.3
5	0.5
7	0.7
8	0.8
9	0.85
Q	1.15
G	1.25
L	1.6
N	1.9 (0.088 max ※)
M	2.5

Note : ※LW reverse type (MBRL)

③ Dimension (L × W)

Code	L × W [mm]	JIS(mm)	EIA(inch)
06	0.6 × 0.3	0603	0201
10	1.0 × 0.5	1005	0402
	0.52 × 1.0 ※	0510	0204
16	1.6 × 0.8	1608	0603
	0.8 × 1.6 ※	0816	0306
21	2.0 × 1.25	2012	0805
	1.25 × 2.0 ※	1220	0508
31	3.2 × 1.6	3216	1206
32	3.2 × 2.5	3225	1210
45	4.5 × 3.2	4532	1812

Note : ※LW reverse type (MBRL)

⑤Dimension tolerance

Code	Dimension code	L[mm]	W[mm]	T[mm]	Thickness code
A	10	1.0 ± 0.10	0.5 ± 0.10	0.5 ± 0.10	5
	16	$1.6 + 0.15 / - 0.05$	$0.8 + 0.15 / - 0.05$	$0.8 + 0.15 / - 0.05$	8
	21	$2.0 + 0.15 / - 0.05$	$1.25 + 0.15 / - 0.05$	$1.25 + 0.15 / - 0.05$	G
	31	3.2 ± 0.20	1.6 ± 0.20	1.15 ± 0.20	Q
	32	3.2 ± 0.30	2.5 ± 0.30	1.6 ± 0.20	L
B	10	$1.0 + 0.15 / - 0.05$	$0.5 + 0.15 / - 0.05$	$0.5 + 0.15 / - 0.05$	5
	16	$1.6 + 0.20 / - 0$	$0.8 + 0.20 / - 0$	$0.8 + 0.20 / - 0$	8
	21	$2.0 + 0.20 / - 0$	$1.25 + 0.20 / - 0$	$1.25 + 0.20 / - 0$	G
	31	3.2 ± 0.30	1.6 ± 0.30	1.6 ± 0.30	L
C	10	$1.0 + 0.20 / - 0$	$0.5 + 0.20 / - 0$	$0.5 + 0.20 / - 0$	5
	16	$1.6 + 0.25 / - 0$	$0.8 + 0.25 / - 0$	$0.8 + 0.25 / - 0$	8
	21	$2.0 + 0.25 / - 0$	$1.25 + 0.25 / - 0$	$1.25 + 0.25 / - 0$	G
D	21	$2.0 + 0.30 / - 0$	$1.25 + 0.30 / - 0$	$1.25 + 0.30 / - 0$	G
H	31	3.2 ± 0.15	1.6 ± 0.15	1.15 ± 0.10	Q
J	21	$2.0 + 0.15 / - 0.05$	$1.25 + 0.15 / - 0.05$	0.85 ± 0.10	9
L	21	$2.0 + 0.20 / - 0$	$1.25 + 0.20 / - 0$	0.85 ± 0.10	9
	32	3.2 ± 0.50	2.5 ± 0.30	2.5 ± 0.30	M
N	21	2.0 ± 0.15	1.25 ± 0.15	0.85 ± 0.15	9
S	06	0.6 ± 0.03	0.3 ± 0.03	0.3 ± 0.03	3
	10	1.0 ± 0.05	0.5 ± 0.05	0.5 ± 0.05	5
		0.52 ± 0.05 ※	1.0 ± 0.05	0.3 ± 0.05	3
	16	1.6 ± 0.10	0.8 ± 0.10	0.7 ± 0.10	7
				0.8 ± 0.10	8
		0.8 ± 0.10 ※	1.6 ± 0.10	0.5 ± 0.05	5
	21	2.0 ± 0.10	1.25 ± 0.10	0.85 ± 0.10	9
		1.25 ± 0.15 ※		1.25 ± 0.10	G
	31	3.2 ± 0.15	1.6 ± 0.15	0.85 ± 0.10	9
	32	3.2 ± 0.15	1.6 ± 0.15	1.6 ± 0.20	L
		3.2 ± 0.30	2.5 ± 0.20	1.9 ± 0.20	N
				2.5 ± 0.20	M
	45	4.5 ± 0.40	3.2 ± 0.30	2.5 ± 0.20	M

Note :※LW reverse type(MBRL)

⑥ Temperature characteristics code

■ High dielectric type

Code	Applicable standard		Temperature range [°C]	Ref. Temp. [°C]	Capacitance change	Capacitance tolerance	Tolerance code
B5	EIA	X5R	-55 ~ + 85	25	± 15%	± 10%	K
						± 20%	M
C6	EIA	X6S	-55 ~ + 105	25	± 22%	± 10%	K
						± 20%	M
B7	EIA	X7R	-55 ~ + 125	25	± 15%	± 10%	K
						± 20%	M
C7	EIA	X7S	-55 ~ + 125	25	± 22%	± 10%	K
						± 20%	M
D7	EIA	X7T	-55 ~ + 125	25	+ 22% / - 33%	± 10%	K
						± 20%	M

■ Temperature compensating type

Code	Applicable standard		Temperature range[°C]	Ref. Temp.[°C]	Capacitance change	Capacitance tolerance	Tolerance code
CG	JIS	CG	-55~ +125	20	0±30ppm/°C	±0.05pF	A
						±0.1pF	B
						±0.25pF	C
	EIA	C0G		25		±0.5pF	D
						±2%	G
						±5%	J
CH	JIS	CH	-55~ +125	20	0±60ppm/°C	±0.25pF	C
							±0.5pF
	EIA	C0H		25		±5%	J
CJ	JIS	CJ	-55~ +125	20	0±120ppm/°C	±0.25pF	C
	EIA	C0J		25			
CK	JIS	CK	-55~ +125	20	0±250ppm/°C	±0.25pF	C
	EIA	C0K		25			

⑦ Nominal capacitance

Code (example)	Nominal capacitance
0R5	0.5pF
010	1pF
100	10pF
101	100pF
102	1,000pF
103	0.01μF
104	0.1μF
105	1μF
106	10μF
107	100μF

Note : R=Decimal point

⑧ Capacitance tolerance

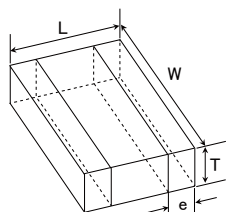
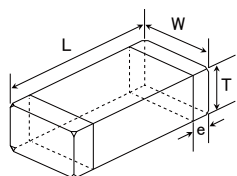
Code	Capacitance tolerance
A	± 0.05pF
B	± 0.1pF
C	± 0.25pF
D	± 0.5pF
G	± 2%
J	± 5%
K	± 10%
M	± 20%

⑨ Packaging

Code	Packaging
F	φ178mm Taping (2mm pitch)
R	φ178mm Embossed Taping (4mm pitch)
T	φ178mm Taping (4mm pitch)
P	φ178mm Taping (4mm pitch, 1000 pcs/reel) 3225 type (Thickness code M)

⑩ Internal code

■ STANDARD EXTERNAL DIMENSIONS



※LW reverse type

Type	JIS (mm)	EIA (inch)	Dimension [mm] (inch)				
			L	W	T	*1	e
MBAS□06	0603	0201	0.6±0.03 (0.024±0.001)	0.3±0.03 (0.012±0.001)	0.3±0.03 (0.012±0.001)	3	0.15±0.05 (0.006±0.002)
MBAR□10 MBAS□10	1005	0402	1.0±0.05 (0.039±0.002)	0.5±0.05 (0.020±0.002)	0.5±0.05 (0.020±0.002)	5	0.25±0.10 (0.010±0.004)
MBRL□10 ※	0510	0204	0.52±0.05 (0.020±0.002)	1.0±0.05 (0.039±0.002)	0.3±0.05 (0.012±0.002)	3	0.18±0.08 (0.007±0.003)
MBAS□16 MBAR□16	1608	0603	1.6±0.10 (0.063±0.004)	0.8±0.10 (0.031±0.004)	0.7±0.10 (0.028±0.004)	7	0.35±0.25 (0.014±0.010)
					0.8±0.10 (0.031±0.004)	8	
MBJC□16	1608	0603	1.6±0.10 (0.063±0.004)	0.8±0.10 (0.031±0.004)	0.8±0.10 (0.031±0.004)	8	0.35+0.3/-0.25 (0.014+0.012/-0.010)
MBRL□16 ※	0816	0306	0.8±0.10 (0.031±0.004)	1.6±0.10 (0.063±0.004)	0.5±0.05 (0.020±0.002)	5	0.25±0.15 (0.010±0.006)
MBAS□21 MBAR□21	2012	0805	2.0±0.10 (0.079±0.004)	1.25±0.10 (0.049±0.004)	0.85±0.10 (0.033±0.004)	9	0.5±0.25 (0.020±0.010)
					1.25±0.10 (0.049±0.004)	G	
MBJC□21	2012	0805	2.0±0.10 (0.079±0.004)	1.25±0.10 (0.049±0.004)	0.85±0.10 (0.033±0.004)	9	0.5+0.35/-0.25 (0.020+0.014/-0.010)
					1.25±0.10 (0.049±0.004)	G	
MBRL□21 ※	1220	0508	1.25±0.15 (0.049±0.006)	2.0±0.15 (0.079±0.006)	0.85±0.10 (0.033±0.004)	9	0.3±0.2 (0.012±0.008)
MBAS□31	3216	1206	3.2±0.15 (0.126±0.006)	1.6±0.15 (0.063±0.006)	1.15±0.10 (0.045±0.004)	Q	0.5+0.35/-0.25 (0.020+0.014/-0.010)
					1.6±0.20 (0.063±0.008)	L	
MBJC□31	3216	1206	3.2±0.15 (0.126±0.006)	1.6±0.15 (0.063±0.006)	1.15±0.10 (0.045±0.004)	Q	0.6+0.4/-0.3 (0.024+0.016/-0.012)
					1.6±0.20 (0.063±0.008)	L	
MBAS□32	3225	1210	3.2±0.30 (0.126±0.012)	2.5±0.20 (0.098±0.008)	1.9±0.20 (0.075±0.008)	N	0.6±0.3 (0.024±0.012)
					2.5±0.20 (0.098±0.008)	M	
MBJC□32	3225	1210	3.2±0.30 (0.126±0.012)	2.5±0.20 (0.098±0.008)	1.9±0.20 (0.075±0.008)	N	0.6+0.4/-0.3 (0.024+0.016/-0.012)
					2.5±0.20 (0.098±0.008)	M	
MBAS□45	4532	1812	4.5±0.40 (0.177±0.016)	3.2±0.30 (0.126±0.012)	2.5±0.20 (0.098±0.008)	M	0.9±0.6 (0.035±0.024)

Note :※LW reverse type (MBRL), *1.Thickness code

■ STANDARD QUANTITY

Type			Thickness		Standard quantity[pcs]	
Code	JIS(mm)	EIA(inch)	[mm]	Code	Paper tape	Embossed tape
06	0603	0201	0.3	3	15000	—
10	1005	0402	0.5	5	10000	—
	0510 ※	0204 ※	0.3	3		
16	1608	0603	0.7	7	4000	—
			0.8	8		
			0.8	8	3000 (Soft Termination)	3000 (Soft Termination)
	0816 ※	0306 ※	0.5	5	—	4000
21	2012	0805	0.85	9	4000	—
			1.25	G	—	3000
			1.25	G	—	2000 (Soft Termination)
	1220 ※	0508 ※	0.85	9	4000	—
31	3216	1206	1.15	Q	—	3000
			1.6	L	—	2000
32	3225	1210	1.9	N	—	2000
			2.5	M	—	500(T), 1000(P)
45	4532	1812	2.5	M	—	500

Note : ※.LW Reverse type (MBRL)

■ PART NUMBER

Multilayer Ceramic Capacitors (Temperature compensating type) for Telecommunications Infrastructure and Industrial Equipment

● 0603TYPE

【Temperature Characteristic CΔ : CΔ/C0Δ (−55~+125℃)】 0.3mm Thickness

New part number	Old part number (for reference)	Rated voltage [V]	Temperature characteristics		Capacitance [F]	Capacitance tolerance	Q [at 1MHz] (Min)	HTLT	Thickness*1 [mm]	Note
								Rated voltage x %		
MBASU063SCK0R5CFNA01	UMK063 CK0R5CTHF	50	CK	C0K	0.5 p	±0.25pF	410	200	0.3±0.03	
MBASU063SCK010CFNA01	UMK063 CK010CTHF		CK	C0K	1 p	±0.25pF	420	200	0.3±0.03	
MBASU063SCK1R5CFNA01	UMK063 CK1R5CTHF		CK	C0K	1.5 p	±0.25pF	430	200	0.3±0.03	
MBASU063SCK020CFNA01	UMK063 CK020CTHF		CK	C0K	2 p	±0.25pF	440	200	0.3±0.03	
MBASU063SCJ030CFNA01	UMK063 CJ030CTHF		CJ	C0J	3 p	±0.25pF	460	200	0.3±0.03	
MBASU063SCH040CFNA01	UMK063 CH040CTHF		CH	C0H	4 p	±0.25pF	480	200	0.3±0.03	
MBASU063SCH050CFNA01	UMK063 CH050CTHF		CH	C0H	5 p	±0.25pF	500	200	0.3±0.03	
MBASU063SCH060DFNA01	UMK063 CH060DTHF		CH	C0H	6 p	±0.5pF	520	200	0.3±0.03	
MBASU063SCH070DFNA01	UMK063 CH070DTHF		CH	C0H	7 p	±0.5pF	540	200	0.3±0.03	
MBASU063SCH080DFNA01	UMK063 CH080DTHF		CH	C0H	8 p	±0.5pF	560	200	0.3±0.03	
MBASU063SCH090DFNA01	UMK063 CH090DTHF		CH	C0H	9 p	±0.5pF	580	200	0.3±0.03	
MBASU063SCH100DFNA01	UMK063 CH100DTHF		CH	C0H	10 p	±0.5pF	600	200	0.3±0.03	
MBASU063SCH120JFNA01	UMK063 CH120JTHF		CH	C0H	12 p	±5%	640	200	0.3±0.03	
MBASU063SCH150JFNA01	UMK063 CH150JTHF		CH	C0H	15 p	±5%	700	200	0.3±0.03	
MBASU063SCH180JFNA01	UMK063 CH180JTHF		CH	C0H	18 p	±5%	760	200	0.3±0.03	
MBASU063SCH220JFNA01	UMK063 CH220JTHF		CH	C0H	22 p	±5%	840	200	0.3±0.03	
MBASU063SCH270JFNA01	UMK063 CH270JTHF		CH	C0H	27 p	±5%	940	200	0.3±0.03	
MBASU063SCH330JFNA01	UMK063 CH330JTHF		CH	C0H	33 p	±5%	1000	200	0.3±0.03	
MBASU063SCH390JFNA01	UMK063 CH390JTHF		CH	C0H	39 p	±5%	1000	200	0.3±0.03	
MBASU063SCH470JFNA01	UMK063 CH470JTHF		CH	C0H	47 p	±5%	1000	200	0.3±0.03	
MBASU063SCH560JFNA01	UMK063 CH560JTHF		CH	C0H	56 p	±5%	1000	200	0.3±0.03	
MBASU063SCH680JFNA01	UMK063 CH680JTHF		CH	C0H	68 p	±5%	1000	200	0.3±0.03	
MBASU063SCH820JFNA01	UMK063 CH820JTHF		CH	C0H	82 p	±5%	1000	200	0.3±0.03	
MBASU063SCH101JFNA01	UMK063 CH101JTHF		CH	C0H	100 p	±5%	1000	200	0.3±0.03	
MBASU063SCH121JFNA01	UMK063 CH121JTHF		CH	C0H	120 p	±5%	1000	200	0.3±0.03	
MBASU063SCH151JFNA01	UMK063 CH151JTHF		CH	C0H	150 p	±5%	1000	200	0.3±0.03	
MBASU063SCH181JFNA01	UMK063 CH181JTHF		CH	C0H	180 p	±5%	1000	200	0.3±0.03	
MBASU063SCH221JFNA01	UMK063 CH221JTHF		CH	C0H	220 p	±5%	1000	200	0.3±0.03	
MBAST063SCH121JFNA01	TMK063 CH121JTHF	25	CH	C0H	120 p	±5%	1000	200	0.3±0.03	
MBAST063SCH151JFNA01	TMK063 CH151JTHF		CH	C0H	150 p	±5%	1000	200	0.3±0.03	
MBAST063SCH181JFNA01	TMK063 CH181JTHF		CH	C0H	180 p	±5%	1000	200	0.3±0.03	
MBAST063SCH221JFNA01	TMK063 CH221JTHF		CH	C0H	220 p	±5%	1000	200	0.3±0.03	
MBASU063SCG0R5CFNA01	UMK063 CG0R5CTHF	50	CG	C0G	0.5 p	±0.25pF	410	200	0.3±0.03	
MBASU063SCG010CFNA01	UMK063 CG010CTHF		CG	C0G	1 p	±0.25pF	420	200	0.3±0.03	
MBASU063SCG1R5CFNA01	UMK063 CG1R5CTHF		CG	C0G	1.5 p	±0.25pF	430	200	0.3±0.03	
MBASU063SCG020CFNA01	UMK063 CG020CTHF		CG	C0G	2 p	±0.25pF	440	200	0.3±0.03	
MBASU063SCG030CFNA01	UMK063 CG030CTHF		CG	C0G	3 p	±0.25pF	460	200	0.3±0.03	
MBASU063SCG040CFNA01	UMK063 CG040CTHF		CG	C0G	4 p	±0.25pF	480	200	0.3±0.03	
MBASU063SCG050CFNA01	UMK063 CG050CTHF		CG	C0G	5 p	±0.25pF	500	200	0.3±0.03	
MBASU063SCG060DFNA01	UMK063 CG060DTHF		CG	C0G	6 p	±0.5pF	520	200	0.3±0.03	
MBASU063SCG070DFNA01	UMK063 CG070DTHF		CG	C0G	7 p	±0.5pF	540	200	0.3±0.03	
MBASU063SCG080DFNA01	UMK063 CG080DTHF		CG	C0G	8 p	±0.5pF	560	200	0.3±0.03	
MBASU063SCG090DFNA01	UMK063 CG090DTHF		CG	C0G	9 p	±0.5pF	580	200	0.3±0.03	
MBASU063SCG100DFNA01	UMK063 CG100DTHF		CG	C0G	10 p	±0.5pF	600	200	0.3±0.03	
MBASU063SCG120JFNA01	UMK063 CG120JTHF		CG	C0G	12 p	±5%	640	200	0.3±0.03	
MBASU063SCG150JFNA01	UMK063 CG150JTHF		CG	C0G	15 p	±5%	700	200	0.3±0.03	
MBASU063SCG180JFNA01	UMK063 CG180JTHF		CG	C0G	18 p	±5%	760	200	0.3±0.03	
MBASU063SCG220JFNA01	UMK063 CG220JTHF		CG	C0G	22 p	±5%	840	200	0.3±0.03	
MBASU063SCG270JFNA01	UMK063 CG270JTHF		CG	C0G	27 p	±5%	940	200	0.3±0.03	
MBASU063SCG330JFNA01	UMK063 CG330JTHF		CG	C0G	33 p	±5%	1000	200	0.3±0.03	
MBASU063SCG390JFNA01	UMK063 CG390JTHF		CG	C0G	39 p	±5%	1000	200	0.3±0.03	
MBASU063SCG470JFNA01	UMK063 CG470JTHF		CG	C0G	47 p	±5%	1000	200	0.3±0.03	
MBASU063SCG560JFNA01	UMK063 CG560JTHF		CG	C0G	56 p	±5%	1000	200	0.3±0.03	
MBASU063SCG680JFNA01	UMK063 CG680JTHF		CG	C0G	68 p	±5%	1000	200	0.3±0.03	
MBASU063SCG820JFNA01	UMK063 CG820JTHF		CG	C0G	82 p	±5%	1000	200	0.3±0.03	
MBASU063SCG101JFNA01	UMK063 CG101JTHF		CG	C0G	100 p	±5%	1000	200	0.3±0.03	
MBASU063SCG121JFNA01	UMK063 CG121JTHF		CG	C0G	120 p	±5%	1000	200	0.3±0.03	
MBASU063SCG151JFNA01	UMK063 CG151JTHF		CG	C0G	150 p	±5%	1000	200	0.3±0.03	
MBASU063SCG181JFNA01	UMK063 CG181JTHF		CG	C0G	180 p	±5%	1000	200	0.3±0.03	
MBASU063SCG221JFNA01	UMK063 CG221JTHF		CG	C0G	220 p	±5%	1000	200	0.3±0.03	
MBAST063SCG121JFNA01	TMK063 CG121JTHF	25	CG	C0G	120 p	±5%	1000	200	0.3±0.03	
MBAST063SCG151JFNA01	TMK063 CG151JTHF		CG	C0G	150 p	±5%	1000	200	0.3±0.03	
MBAST063SCG181JFNA01	TMK063 CG181JTHF		CG	C0G	180 p	±5%	1000	200	0.3±0.03	
MBAST063SCG221JFNA01	TMK063 CG221JTHF		CG	C0G	220 p	±5%	1000	200	0.3±0.03	

► This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification.
For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (<http://www.ty-top.com/>) .

■PART NUMBER

● 1005TYPE

【Temperature Characteristic $C\Delta : C\Delta/C0\Delta (-55\sim+125^{\circ}\text{C})$ 】 0.5mm Thickness

New part number	Old part number (for reference)	Rated voltage [V]	Temperature characteristics		Capacitance [F]	Capacitance tolerance	Q [at 1MHz] (Min)	HTLT Rated voltage x %	Thickness*1 [mm]	Note
MBASU105SCK0R5CFNA01	UMK105 CK0R5CVHF	50	CK	C0K	0.5 p	±0.25pF	410	200	0.5±0.05	
MBASU105SCK010CFNA01	UMK105 CK010CVHF		CK	C0K	1 p	±0.25pF	420	200	0.5±0.05	
MBASU105SCK1R5CFNA01	UMK105 CK1R5CVHF		CK	C0K	1.5 p	±0.25pF	430	200	0.5±0.05	
MBASU105SCK020CFNA01	UMK105 CK020CVHF		CK	C0K	2 p	±0.25pF	440	200	0.5±0.05	
MBASU105SCJ030CFNA01	UMK105 CJ030CVHF		CJ	C0J	3 p	±0.25pF	460	200	0.5±0.05	
MBASU105SCH040CFNA01	UMK105 CH040CVHF		CH	C0H	4 p	±0.25pF	480	200	0.5±0.05	
MBASU105SCH050CFNA01	UMK105 CH050CVHF		CH	C0H	5 p	±0.25pF	500	200	0.5±0.05	
MBASU105SCH060DFNA01	UMK105 CH060DVHF		CH	C0H	6 p	±0.5pF	520	200	0.5±0.05	
MBASU105SCH070DFNA01	UMK105 CH070DVHF		CH	C0H	7 p	±0.5pF	540	200	0.5±0.05	
MBASU105SCH080DFNA01	UMK105 CH080DVHF		CH	C0H	8 p	±0.5pF	560	200	0.5±0.05	
MBASU105SCH090DFNA01	UMK105 CH090DVHF		CH	C0H	9 p	±0.5pF	580	200	0.5±0.05	
MBASU105SCH100DFNA01	UMK105 CH100DVHF		CH	C0H	10 p	±0.5pF	600	200	0.5±0.05	
MBASU105SCH120JFNA01	UMK105 CH120JVHF		CH	C0H	12 p	±5%	640	200	0.5±0.05	
MBASU105SCH150JFNA01	UMK105 CH150JVHF		CH	C0H	15 p	±5%	700	200	0.5±0.05	
MBASU105SCH180JFNA01	UMK105 CH180JVHF		CH	C0H	18 p	±5%	760	200	0.5±0.05	
MBASU105SCH220JFNA01	UMK105 CH220JVHF		CH	C0H	22 p	±5%	840	200	0.5±0.05	
MBASU105SCH270JFNA01	UMK105 CH270JVHF		CH	C0H	27 p	±5%	940	200	0.5±0.05	
MBASU105SCH330JFNA01	UMK105 CH330JVHF		CH	C0H	33 p	±5%	1000	200	0.5±0.05	
MBASU105SCH390JFNA01	UMK105 CH390JVHF		CH	C0H	39 p	±5%	1000	200	0.5±0.05	
MBASU105SCH470JFNA01	UMK105 CH470JVHF		CH	C0H	47 p	±5%	1000	200	0.5±0.05	
MBASU105SCH560JFNA01	UMK105 CH560JVHF		CH	C0H	56 p	±5%	1000	200	0.5±0.05	
MBASU105SCH680JFNA01	UMK105 CH680JVHF		CH	C0H	68 p	±5%	1000	200	0.5±0.05	
MBASU105SCH820JFNA01	UMK105 CH820JVHF		CH	C0H	82 p	±5%	1000	200	0.5±0.05	
MBASU105SCH101JFNA01	UMK105 CH101JVHF		CH	C0H	100 p	±5%	1000	200	0.5±0.05	
MBASU105SCH121JFNA01	UMK105 CH121JVHF		CH	C0H	120 p	±5%	1000	200	0.5±0.05	
MBASU105SCH151JFNA01	UMK105 CH151JVHF		CH	C0H	150 p	±5%	1000	200	0.5±0.05	
MBASU105SCH181JFNA01	UMK105 CH181JVHF		CH	C0H	180 p	±5%	1000	200	0.5±0.05	
MBASU105SCH221JFNA01	UMK105 CH221JVHF		CH	C0H	220 p	±5%	1000	200	0.5±0.05	
MBASU105SCH271JFNA01	UMK105 CH271JVHF		CH	C0H	270 p	±5%	1000	200	0.5±0.05	
MBASU105SCH331JFNA01	UMK105 CH331JVHF		CH	C0H	330 p	±5%	1000	200	0.5±0.05	
MBASU105SCH391JFNA01	UMK105 CH391JVHF		CH	C0H	390 p	±5%	1000	200	0.5±0.05	
MBASU105SCH471JFNA01	UMK105 CH471JVHF		CH	C0H	470 p	±5%	1000	200	0.5±0.05	
MBASU105SCH561JFNA01	UMK105 CH561JVHF		CH	C0H	560 p	±5%	1000	200	0.5±0.05	
MBASU105SCH681JFNA01	UMK105 CH681JVHF		CH	C0H	680 p	±5%	1000	200	0.5±0.05	
MBASU105SCH821JFNA01	UMK105 CH821JVHF		CH	C0H	820 p	±5%	1000	200	0.5±0.05	
MBASU105SCH102JFNA01	UMK105 CH102JVHF		CH	C0H	1000 p	±5%	1000	200	0.5±0.05	
MBASU105SCG0R5CFNA01	UMK105 CG0R5CVHF		CG	C0G	0.5 p	±0.25pF	410	200	0.5±0.05	
MBASU105SCG010CFNA01	UMK105 CG010CVHF		CG	C0G	1 p	±0.25pF	420	200	0.5±0.05	
MBASU105SCG1R5CFNA01	UMK105 CG1R5CVHF		CG	C0G	1.5 p	±0.25pF	430	200	0.5±0.05	
MBASU105SCG020CFNA01	UMK105 CG020CVHF		CG	C0G	2 p	±0.25pF	440	200	0.5±0.05	
MBASU105SCG030CFNA01	UMK105 CG030CVHF		CG	C0G	3 p	±0.25pF	460	200	0.5±0.05	
MBASU105SCG040CFNA01	UMK105 CG040CVHF		CG	C0G	4 p	±0.25pF	480	200	0.5±0.05	
MBASU105SCG050CFNA01	UMK105 CG050CVHF		CG	C0G	5 p	±0.25pF	500	200	0.5±0.05	
MBASU105SCG060DFNA01	UMK105 CG060DVHF		CG	C0G	6 p	±0.5pF	520	200	0.5±0.05	
MBASU105SCG070DFNA01	UMK105 CG070DVHF		CG	C0G	7 p	±0.5pF	540	200	0.5±0.05	
MBASU105SCG080DFNA01	UMK105 CG080DVHF		CG	C0G	8 p	±0.5pF	560	200	0.5±0.05	
MBASU105SCG090DFNA01	UMK105 CG090DVHF		CG	C0G	9 p	±0.5pF	580	200	0.5±0.05	
MBASU105SCG100DFNA01	UMK105 CG100DVHF		CG	C0G	10 p	±0.5pF	600	200	0.5±0.05	
MBASU105SCG120JFNA01	UMK105 CG120JVHF		CG	C0G	12 p	±5%	640	200	0.5±0.05	
MBASU105SCG150JFNA01	UMK105 CG150JVHF		CG	C0G	15 p	±5%	700	200	0.5±0.05	
MBASU105SCG180JFNA01	UMK105 CG180JVHF		CG	C0G	18 p	±5%	760	200	0.5±0.05	
MBASU105SCG220JFNA01	UMK105 CG220JVHF		CG	C0G	22 p	±5%	840	200	0.5±0.05	
MBASU105SCG270JFNA01	UMK105 CG270JVHF		CG	C0G	27 p	±5%	940	200	0.5±0.05	
MBASU105SCG330JFNA01	UMK105 CG330JVHF		CG	C0G	33 p	±5%	1000	200	0.5±0.05	
MBASU105SCG390JFNA01	UMK105 CG390JVHF		CG	C0G	39 p	±5%	1000	200	0.5±0.05	
MBASU105SCG470JFNA01	UMK105 CG470JVHF		CG	C0G	47 p	±5%	1000	200	0.5±0.05	
MBASU105SCG560JFNA01	UMK105 CG560JVHF		CG	C0G	56 p	±5%	1000	200	0.5±0.05	
MBASU105SCG680JFNA01	UMK105 CG680JVHF		CG	C0G	68 p	±5%	1000	200	0.5±0.05	
MBASU105SCG820JFNA01	UMK105 CG820JVHF		CG	C0G	82 p	±5%	1000	200	0.5±0.05	
MBASU105SCG101JFNA01	UMK105 CG101JVHF		CG	C0G	100 p	±5%	1000	200	0.5±0.05	
MBASU105SCG121JFNA01	UMK105 CG121JVHF		CG	C0G	120 p	±5%	1000	200	0.5±0.05	
MBASU105SCG151JFNA01	UMK105 CG151JVHF		CG	C0G	150 p	±5%	1000	200	0.5±0.05	
MBASU105SCG181JFNA01	UMK105 CG181JVHF		CG	C0G	180 p	±5%	1000	200	0.5±0.05	
MBASU105SCG221JFNA01	UMK105 CG221JVHF		CG	C0G	220 p	±5%	1000	200	0.5±0.05	
MBASU105SCG271JFNA01	UMK105 CG271JVHF		CG	C0G	270 p	±5%	1000	200	0.5±0.05	
MBASU105SCG331JFNA01	UMK105 CG331JVHF		CG	C0G	330 p	±5%	1000	200	0.5±0.05	
MBASU105SCG391JFNA01	UMK105 CG391JVHF		CG	C0G	390 p	±5%	1000	200	0.5±0.05	
MBASU105SCG471JFNA01	UMK105 CG471JVHF		CG	C0G	470 p	±5%	1000	200	0.5±0.05	
MBASU105SCG561JFNA01	UMK105 CG561JVHF		CG	C0G	560 p	±5%	1000	200	0.5±0.05	
MBASU105SCG681JFNA01	UMK105 CG681JVHF		CG	C0G	680 p	±5%	1000	200	0.5±0.05	
MBASU105SCG821JFNA01	UMK105 CG821JVHF		CG	C0G	820 p	±5%	1000	200	0.5±0.05	
MBASU105SCG102JFNA01	UMK105 CG102JVHF		CG	C0G	1000 p	±5%	1000	200	0.5±0.05	

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