

Decoupling Capacitors

Metallized Polyester (MKT)

HE 353	PHE 244	PHE 280
30401-029* 4-2 Grade 1	CPM 50/53 CECC 30401-019 CNET LNZ 4404 UTE C 83 151-019	IEC 384-2
/56	FMD 55/125/56	GMF 40/100/56
63) 160) 200)	40 63 160 250	100 (63) 250 (160) 400 (200)
-1.0 -0.47 -0.15	0.056—2.3 0.0033—10 0.01—4.7 0.01—1.0	1.5—10 0.47—4.7 0.22—1.0
$C < 0.1\mu F$ $C \geq 0.1\mu F$	$\pm 10 \pm 5$	± 10
	1.5— 6 2.5—10 4 —14	3— 4 7— 9 11—13
5.0	15.2 10.2 27.9	22.5 27.5
(3M, 4M, 6M) boxes	Bulk in boxes	Bulk in boxes
AG	MUAHAG	

* Detailed specification can be send on request.

Precision Capacitors

Polystyrene (KS)

Polypropylene

PFE 210	PFE 216	PFE 225	PHE 425
IEC 384-7 Stab. Class 1	IEC 384-7 Stab. Class 2	CECC 30901-001* IEC 384-7 Stab. Class 1 and 2	CECC 31201-001* IEC 384-16 Stab. Class 1
40/085/56	40/085/21	40/085/56**	55/085/56
100 200	100 200 500	63 100 200	63 (40) 100 (63) 250 (125)
3—170nF 0.05—40nF	> 1.5—250nF > 1—100nF 0.047—55nF	13.7—25nF 1.5—13.7nF 0.047—1.5nF	35—135nF 10—35nF 3.3—10nF
$\pm 0.5, \pm 1, \pm 2$ (min $\pm 2pF$)	$\pm 1, \pm 2$ (min $\pm 2pF$)	$\pm 0.5, \pm 0.625, \pm 1,$ $\pm 1.25, \pm 2, \pm 5$ (min $\pm 1.5pF$)	$\pm 1, \pm 2, \pm 5$
2500	2500	2500	40 30 10
10.2 15.2 25.4	10.2 15.2 25.4	7.2 (diagonal)	7.2 (diagonal)
Bulk in boxes	Bulk in boxes	Bulk in boxes	Bulk in boxes
		MUAHAG	MUAHAG

* Detailed specification can be send on request.
** Damp heat steady state $\Delta C/C < 0.75\%$ 56 days.

Pulse Capacitors

Metallized Polypropylene (MKP)

HG 490	RIFA Type	PHE 403	PHE 404	PHE 420	PHE 430	PHE 431
5/56	International standard	IEC 384-16	IEC 384-16	IEC 40(CO)482	IEC 40(CO)482	IEC 40(CO)482
	Climatic category IEC 68	55/085/56	55/085/56	55/085/56	55/085/56	55/085/56
	Rated voltage, V_{DC} (V_{AC})	160 (100) 250 (160) 400 (220) 630 (250)	160 (100) 250 (160) 400 (220)	160 (100) 250 (160) 400 (220)	250 (160) 400 (220) 630 (250)	1000 (500) 1600 (630) 2000 (1000)
-10	Capacitance range, μF	0.22—5.6 0.068—3.3 0.033—1.5 0.022—0.68	0.047—0.56 0.022—0.33 0.001—0.15	0.68—10 0.27—4.7 0.15—2.7	0.056—2.7 0.033—1.8 0.018—0.82	0.0033—0.18 0.001—0.056 0.001—0.022
	Capacitance tolerances, %	$\pm 5 \pm 10$	$\pm 5 \pm 10$	$\pm 5 \pm 10$	$\pm 5 \pm 10$	$\pm 5 \pm 10$
	Pulse rise time, $V/\mu s$	40— 55 60— 80 90—120 110—200	85 120 180	20— 55 40— 80 60—120	800—2500	1300—2500
400	Lead spacing, mm	22.5 15.0 27.5	10.2 15.0	27.5 22.5 37.5	15.0 27.5 22.5 37.5	22.5 15.0 27.5
ud/Nut ud/Stud	Packing	Bulk in boxes	Taped (4M, 6M) Bulk in boxes	Bulk in boxes	Bulk in boxes	Bulk in boxes