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Product Guide 2006

Metal Film Resistor
Metallized Film Capacitor



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ISO/TS 16949



ISO 9001



ISO 14001



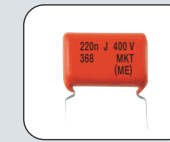
FILM CAPACITORS

PILKOR ELECTRONICS CO., LTD.

General Purpose Capacitors



MKT Radial Dipped
PCMT 365/366/367



MKT Radial Dipped
PCMT 368

Part Number	PCMT 365/366/367 xxxxx	PCMT 368 xxxxx
Dielectric	Metallized Polyester	Metallized Polyester
Capacitance Range (μF)	E12 0.001 to 1.0	E12 0.01 to 6.8
Tolerance (%)	± 5 , ± 10	± 5 , ± 10
Rated Voltage (V)	VRdc 63, 100, 250, 400, 630 VRac 40, 63, 160, 220, 250	VRdc 100, 250, 400, 630 VRac 63, 160, 220, 250
Pitch (mm)	5.0 / 7.5	10.0 / 15.0 / 22.5 / 27.5 (reduced pitch 7.5)
Climatic Category	55/105/56	55/105/56
Reference Specification	IEC 60384-2	IEC 60384-2
Pulse Rise Time (dV/dt)	18 to 110 V/ μs	15 to 170 V/ μs
Approvals	-	-
Applications	Blocking, Coupling, Bypass, Energy reservoir	Blocking, Coupling, Bypass, Energy reservoir
Packing	Taped on reel, Ammopack (PCMT 365) Loose in box (PCMT 366/367)	Loose in box, Ammopack, Taped on reel



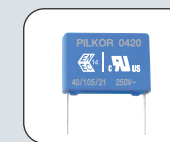
MKT Radial Boxed
PCMT 468

Part Number	PCMT 468 xxxxx	
Dielectric	Metallized Polyester	
Capacitance Range (μF)	E24 0.01 to 6.8	
Tolerance (%)	± 5 , ± 10	
Rated Voltage (V)	VRdc 100, 250, 400, 630 VRac 63, 160, 220, 250	
Pitch (mm)	10.0 / 15.0 / 22.5 / 27.5 (reduced pitch 7.5)	
Climatic Category	55/105/56	
Reference Specification	IEC 60384-2	
Pulse Rise Time (dV/dt)	15 to 170 V/ μs	
Approvals	-	
Applications	Blocking, Coupling, Bypass, Energy reservoir	
Packing	Loose in box, Ammopack	

Interference Suppression Capacitors



MKP Radial Boxed
PCX2 339



MKP Radial Boxed
PCX2 337

Part Number	PCX2 339 xxxxx	PCX2 337 xxxxx
Dielectric	Metallized Polypropylene	Metallized Polypropylene
Capacitance Range (μF)	E12 0.001 to 3.3	E12 0.01 to 3.3
Tolerance (%)	± 10 , ± 20	± 10 , ± 20
Rated Voltage (V)	VRac 305	VRac 275, 305
Pitch (mm)	7.5 / 10.0 / 15.0 / 22.5 / 27.5	10.0 / 15.0 / 22.5 / 27.5
Climatic Category	55/105/21	40/100/21, 40/105/21
Reference Specification	IEC 60384-14 and EN 132400	IEC 60384-14 and EN 132400
Pulse Rise Time (dV/dt)	100 V/ μs	100 V/ μs
Approvals	UL 1283 & CSA-C22.2 NO.8, ENEC	UL1414, CSA-C22.2 No1, ENEC, UL1283, CSA-C22.2 No8 CQC, EK
Applications	SMPS, EMI Filters, E-Ballast Dom. Appliance	SMPS, EMI Filters, E-Ballast Dom. Appliance
Packing	Loose in box, Ammopack, Taped on reel	Loose in box, Ammopack, Taped on reel

Interference Suppression Capacitors



MKP Radial Boxed
PCX2 335 M



MKP Radial Boxed
PCX2 335

Part Number	PCX2 335 Mxxxx	PCX2 335 xxxxx
Dielectric	Metallized Polypropylene	Metallized Polypropylene
Capacitance Range (μF)	E12 0.01 to 2.2	E12 0.01 to 1.0
Tolerance (%)	± 10, ± 20	± 10, ± 20
Rated Voltage (V)	VRac 275	VRac 275
Pitch (mm)	10.0 / 15.0 / 22.5 / 27.5	15.0 / 22.5 / 27.5
Climatic Category	40/85/21, 40/100/21	40/85/21
Reference Specification	IEC 60384-14 and EN 132400	IEC 60384-14 and EN 132400
Pulse Rise Time (dV/dt)	100 V/μs	100 V/μs
Approvals	UL1414, CSA-C22.2 No 1, ENEC, CQC, EK	UL1414, CSA-C22.2 No 1, ENEC, CQC, EK
Applications	TV, Monitor	TV, Monitor
Packing	Loose in box, Ammopack, Taped on reel	Loose in box, Ammopack, Taped on reel



MKP Radial Boxed
PCX1 331



MKP Radial Boxed
PCY2 130

Part Number	PCX1 331 xxxxx	PCY2 130 xxxxx
Dielectric	Metallized Polypropylene	Metallized Polypropylene
Capacitance Range (μF)	E12 0.01 to 1.0	E12 0.001 to 0.47
Tolerance (%)	± 10, ± 20	± 10, ± 20
Rated Voltage (V)	VRac 440	VRac 300
Pitch (mm)	15.0 / 22.5 / 27.5	10.0 / 15.0 / 22.5 / 27.5
Climatic Category	55/105/21	55/105/21
Reference Specification	IEC 60384-14 and EN 132400	IEC 60384-14 and EN 132400
Pulse Rise Time (dV/dt)	100 to 250 V/μs	100 V/μs
Approvals	UL1414 & CSA-C22.2 No 1, ENEC	UL1414 & CSA-C22.2 No 1, ENEC, UL1283, CSA-22.2 No 8
Applications	Industrial	SMPS, EMI Filters
Packing	Loose in box, Ammopack, Taped on reel	Loose in box, Ammopack, Taped on reel



MKP Radial Boxed
PCRC 420

Part Number	PCRC 420 xxxxx	
Dielectric	Metallized Polypropylene	
Capacitance Range (μF)	E12 0.033 to 0.22	
Resistance Value (Ω)	22, 47, 120	
Tolerance (%)	C-tol : ± 20 & R-tol : ± 10	
Rated Voltage (V)	VRac 250	
Pitch (mm)	15.0 / 17.5	
Climatic Category	40/85/21	
Reference Specification	IEC 60384-14	
Pulse Rise Time (dV/dt)	100 V/μs	
Approvals	UL, CSA, VDE, EK	
Applications	Noise Suppressor, Spark Quenching	
Packing	Loose in box, Ammopack	

AC and Pulse Capacitors



MKP Radial Boxed
PCMP 389



MMKP Radial Boxed
PCMP 384

Part Number	PCMP 389 xxxxx	PCMP 384 xxxxx
Dielectric	Metallized Polypropylene	Double Side Metallized PET Carrier and Polypropylene
Capacitance Range (μF)	E24 0.01 to 3.9	E24 0.001 to 1.0
Tolerance (%)	± 5	± 5
Rated Voltage (V)	VRdc 250, 400, 630	VRdc 250, 400, 630, 1000, 1600, 2000, 2500
Pitch (mm)	10.0 / 15.0 / 22.5 / 27.5 (reduced pitch 7.5)	10.0 / 15.0 / 22.5 (reduced pitch 7.5)
Climatic Category	55/105/56	55/105/56
Reference Specification	IEC 60384-17	IEC 60384-17
Pulse Rise Time (dV/dt)	50 to 550 V/μs	250 to 11000 V/μs
Approvals	-	-
Applications	High frequency, High current, TV, SMPS, E-ballast, etc	High pulse, High current, TV, SMPS, E-ballast, UPS, etc
Packing	Loose in box, Ammopack	Loose in box, Ammopack,



KP/MMKP Radial Dipped
PCMP 475



MMKP Radial Dipped
PCMP 483

Part Number	PCMP 475 xxxxxx	PCMP 483 xxxxxx
Dielectric	Metallized Polypropylene	Metallized Polypropylene
Capacitance Range (μF)	E24 0.001 to 0.022	E24 0.001 to 0.1
Tolerance (%)	± 3, ± 5	± 5, ± 10
Rated Voltage (V)	VRdc 1600, 2000	VRdc 250, 400, 630
Pitch (mm)	10.0 / 15.0 / 20.0 (reduced pitch 7.5)	10.0 / 12.5 / 15.0 (reduced pitch 7.5)
Climatic Category	40/105/21	40/105/21
Reference Specification	IEC 60384-16	IEC 60384-16
Approvals	-	-
Applications	High frequency, High pulse	High pulse, High current, TV, SMPS, E-ballast, etc
Packing	Loose in box, Ammopack	Loose in box, Ammopack



MKP Radial Dipped
PCMP 489

Part Number	PCMP 489 xxxxxx	
Dielectric	Metallized Polypropylene	
Capacitance Range (μF)	E24 0.1 to 1.0	
Tolerance (%)	± 5	
Rated Voltage (V)	VRdc 250, 400	
Pitch (mm)	10.0 / 15.0 / 20.0 (reduced pitch 7.5)	
Climatic Category	40/105/21	
Reference Specification	IEC 60384-16	
Approvals	-	
Applications	High frequency, High current	
Packing	Loose in box, Ammopack	

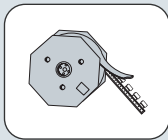
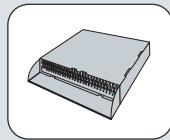
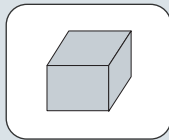
Motor Running Capacitor



MKP Radial Boxed
PCMP 371

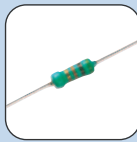
Part Number	PCMP 371 xxxxx	
Dielectric	Metallized Polypropylene	
Capacitance Range (μF)	E24	0.1 to 6.0
Tolerance (%)	±5, ±10	
Rated Voltage (V)	VRac	250, 300, 350, 400, 450, 600
Pitch (mm)	22.5 / 27.5	
Climatic Category	25/070/21	
Reference Specification	KSC 4805	
Approvals	-	
Applications	Motor Run	
Packing	Loose in box	

Packaging

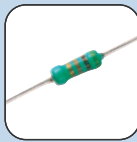


	Type	Loose in box	Ammopack	Taped on reel
General Purpose Capacitors	365		○	○
	366	○		
	367	○		
	368	○	○	○
	468	○	○	
Interference Suppressin Capacitors	339	○	○	○
	337	○	○	○
	335M	○	○	○
	335	○	○	○
	331	○	○	○
	130	○	○	○
	420	○	○	
AC and Pulse Capacitors	389	○	○	
	384	○	○	
	475	○	○	
	483	○	○	
Moter Running Capacitor	489	○	○	
	371	○		

Standard Metal Film Resistors



PSFR16S



PSFR25

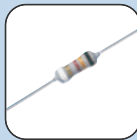
Part Number	PSFR 185/187 xxxxx	PSFR 181/184/188 xxxxx
Power (W)	0.25	0.4
Resistance Range (Ω)	1 to 5.6M	0.22 to 10M / zero Ω
Tolerance (%)	E24 / E48 / E96 ±5, ±2, ±1	E24 / E48 / E96 ±5, ±2, ±1
Temperature Coefficient (ppm/°C)	R ≤ 4.7 Ω ±250 R ≤ 100 kΩ ±100 R ≤ 1 MΩ ±100 R > 1 MΩ ±250	R ≤ 4.7 Ω ±250 R ≤ 100 kΩ ±100 R ≤ 1 MΩ ±100 R > 1 MΩ ±250
Limiting Voltage (V)	200	250
Dimension (mm)	∅ D × L ∅ 1.9 × 3.2	∅ D × L ∅ 2.5 × 6.5



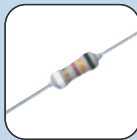
PSFR25H

Part Number	PSFR 183/186 xxxxx	
Power (W)	0.5	
Resistance Range (Ω)	0.22 to 10M / zero Ω	
Tolerance (%)	E24 / E48 / E96 ±5, ±2, ±1	
Temperature Coefficient (ppm/°C)	R ≤ 4.7 Ω ±250 R ≤ 100 kΩ ±100 R ≤ 1 MΩ ±100 R > 1 MΩ ±250	
Limiting Voltage (V)	350	
Dimension (mm)	∅ D × L ∅ 2.5 × 6.5	

Fusible Resistors

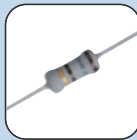


PNFR25

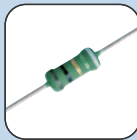


PNFR25H

Part Number	PNFR 205 xxxxx	PNFR 207 xxxxx
Power (W)	0.33	0.5
Resistance Range (Ω)	0.22 to 15k	0.22 to 15k
Tolerance (%)	E24 / E48 ±10, ±5	E24 ±10, ±5
Temperature Coefficient (ppm/°C)	R ≤ 4.7 Ω ±250 R > 4.7 Ω ±200	R ≤ 4.7 Ω ±250 R > 4.7 Ω ±200
Limiting Voltage (V)	250	350
Dimension (mm)	∅ D × L ∅ 2.5 × 6.5	∅ D × L ∅ 2.5 × 6.5



PNFR1W



PNFR2W

Part Number	PNFR 208/308 xxxxx	PNFR 209/309 xxxxx
Power (W)	1	2
Resistance Range (Ω)	0.1 to 10k	0.1 to 10k
Tolerance (%)	E24 ±10, ±5	E24 ±10, ±5
Temperature Coefficient (ppm/°C)	R ≤ 4.7 Ω ±250 R > 4.7 Ω ±200	R ≤ 4.7 Ω ±250 R > 4.7 Ω ±200
Limiting Voltage (V)	350	500
Dimension (mm)	∅ D × L ∅ 3.9 × 10.0	∅ D × L ∅ 3.9 × 10.0

Power Metal Film Resistors

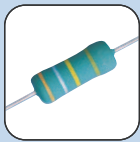


PPRR1W

Part Number	PPRR 193/197/293 xxxxx	PPRR 194/294 xxxxx
Power (W)	1	2
Resistance Range (Ω)	0.22 to 1M	0.1 to 1M
Tolerance (%)	E24 / E48 / E96 ±5, ±2, ±1	E24 / E48 / E96 ±5, ±2, ±1
Temperature Coefficient (ppm/°C)	R ≤ 4.7 Ω ±250 R > 4.7 Ω ±200	R ≤ 4.7 Ω ±250 R > 4.7 Ω ±200
Limiting Voltage (V)	350	500
Dimension (mm)	∅ D × L ∅ 2.5 × 6.5	∅ D × L ∅ 3.9 × 10.0



PPRR2W



PPRR3W

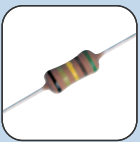
Part Number	PPRR 195/295 xxxxx	
Power (W)	3	
Resistance Range (Ω)	0.47 to 470k	
Tolerance (%)	E24 / E48 / E96 ±5, ±2, ±1	
Temperature Coefficient (ppm/°C)	±350	
Limiting Voltage (V)	750	
Dimension (mm)	∅ D × L ∅ 6.0 × 15.5	

High Voltage Surge Resistors (Glaze)

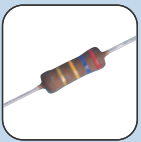


PPSR25

Part Number	PPSR 241 xxxxx	PPSR 242 xxxxx
Power (W)	0.25	0.5
Resistance Range (Ω)	51k to 33M	51k to 1G
Tolerance (%)	E12 / E24 / E48 ±10, ±5, ±2, ±1	E12 / E24 / E48 ±10, ±5, ±2, ±1
Temperature Coefficient (ppm/°C)	±350	±350
Limiting Voltage (V)	1600	3600
Dimension (mm)	∅ D × L ∅ 2.7 × 6.5	∅ D × L ∅ 4.0 × 9.0
Safety Approval	-	UL, CSA, VDE (480 ^W -12 ^W)

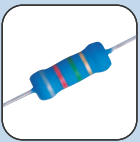


PPSR37



PPSR37L

Part Number	PPSR 244 xxxxx	PPSR 244 xxxxx
Power (W)	<1	1
Resistance Range (Ω)	51k to 1G	51k to 1G
Tolerance (%)	E12 / E24 / E48 ±10, ±5, ±2, ±1	E12 / E24 / E48 ±10, ±5, ±2, ±1
Temperature Coefficient (ppm/°C)	±350	±350
Limiting Voltage (V)	7000	10000
Dimension (mm)	∅ D × L ∅ 4.0 × 12.0	∅ D × L ∅ 6.0 × 16.5



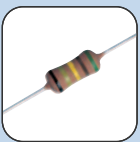
PPSR52

Carbon Composition Resistors



PPSR25

Part Number	PPSR 241 xxxxx	PPSR 242 xxxxx
Power (W)	0.25	0.5
Resistance Range (Ω)	10 to 9.1k	10 to 9.1k
Tolerance (%)	E12 / E24 ±10, ±5	E12 / E24 ±15, ±10
Temperature Coefficient (ppm/°C)	±600	±600
Limiting Voltage (V)	250	350
Dimension (mm)	∅ D × L ∅ 2.7 × 6.5	∅ D × L ∅ 3.7 × 9.0

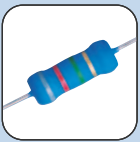


PPSR37



PPSR37L

Part Number	PPSR 243 xxxxx	PPSR 250 xxxxx
Power (W)	<1	1
Resistance Range (Ω)	10 to 9.1k	10 to 9.1k
Tolerance (%)	E12 / E24 ±10, ±5	E12 / E24 ±10, ±5
Temperature Coefficient (ppm/°C)	±600	±600
Limiting Voltage (V)	500	750
Dimension (mm)	∅ D × L ∅ 4.0 × 12.0	∅ D × L ∅ 6.0 × 16.5



PPSR52

High Voltage Metal Surge Resistors

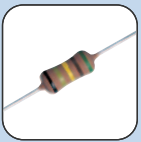


PMSR16

Part Number	PMSR 249 xxxxx	PMSR 245 xxxxx
Power (W)	0.25	0.25
Resistance Range (Ω)	10k to 15M	10k to 33M
Tolerance (%)	E12 / E24 / E48 ±5, ±2, ±1	E12 / E24 / E48 ±10, ±5, ±2, ±1
Temperature Coefficient (ppm/°C)	R ≤ 10 MΩ ±200 R > 10 MΩ ±350	R ≤ 10 MΩ ±200 R > 10 MΩ ±350
Limiting Voltage (V)	800	1600
Dimension (mm)	∅ D × L ∅ 2.0 × 3.2	∅ D × L ∅ 2.7 × 6.5

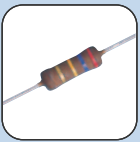


PMSR25



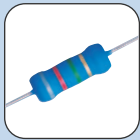
PMSR37

Part Number	PMSR 240 xxxxx	PMSR 246 xxxxx
Power (W)	0.5	<1
Resistance Range (Ω)	10k to 100M	10k to 100M
Tolerance (%)	E12 / E24 / E48 ±10, ±5, ±2, ±1	E12 / E24 / E48 ±10, ±5, ±2, ±1
Temperature Coefficient (ppm/°C)	R ≤ 10 MΩ ±200 R > 10 MΩ ±350	R ≤ 10 MΩ ±200 R > 10 MΩ ±350
Limiting Voltage (V)	3600	7000
Dimension (mm)	∅ D × L ∅ 4.0 × 9.0	∅ D × L ∅ 4.0 × 12.0
Safety Approval	UL, CSA, VDE (480 ^W -12 ^W)	C-UL(CSA 22.2), VDE(480 ^W -12 ^W)



PMSR37L

High Voltage Metal Surge Resistors



PMSR52

Part Number	PMSR 247 xxxxx	
Power (W)	1	
Resistance Range (Ω)	10k to 100M	
Tolerance (%)	E12 / E24 / E48	±10, ±5, ±2, ±1
Temperature Coefficient (ppm/°C)	R ≤ 10MΩ	±200
	R > 10MΩ	±350
Limiting Voltage (V)	10000	
Dimension (mm)	ø D × L ø 6.0 × 16.5	
Safety Approval	C-UL(CSA 22.2), VDE(480 ¹⁰⁰ -12 ¹⁰⁰)	

Milliohm Fusible Resistors



PPFR1W

Part Number	PPFR 100 xxxxx	
Power (W)	1	
Resistance Range (Ω)	10m to 100m	
Tolerance (%)	±20, ±10	
Temperature Coefficient (ppm/°C)	±1500	
Limiting Voltage (V)	250	
Dimension (mm)	ø D × L	ø 2.3 × 6.5

Wire Wound Resistors

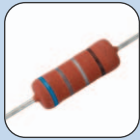


PWWR1W

Part Number	PWWR 171 xxxxx (inductive) PWWR 271 xxxxx(non inductive)	PWWR 172 xxxxx (inductive) PWWR 272 xxxxx(non inductive)
Power (W)	1	2
Resistance Range (Ω)	0.1 to 3.0k	0.1 to 3.0k
Tolerance (%)	E12 / E24 / E48 ±5, ±2, ±1	E12 / E24 / E48 ±5, ±2, ±1
Temperature Coefficient (ppm/°C)	±100	±100
Limiting Voltage (V)	50	100
Dimension (mm)	ø D × L ø 4.0 × 10	ø D × L ø 4.2 × 13



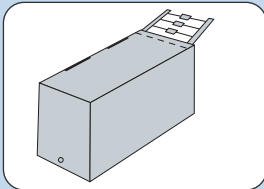
PWWR2W



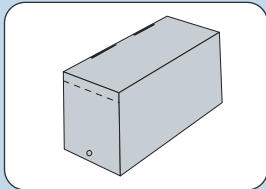
PWWR3W

Part Number	PWWR 173 xxxxx (inductive) PWWR 273 xxxxx(non inductive)	
Power (W)	3	
Resistance Range (Ω)	0.1 to 3.0k	
Tolerance (%)	E12 / E24 / E48 ±5, ±2, ±1	
Temperature Coefficient (ppm/°C)	±100	
Limiting Voltage (V)	200	
Dimension (mm)	ø D × L ø 5.7 × 16	

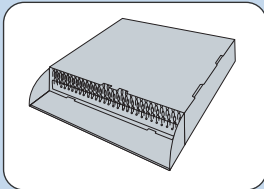
Packaging



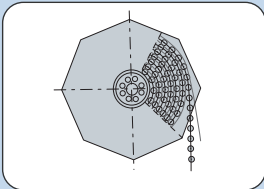
Ammopack



Loose in box

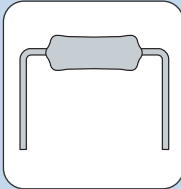


Radial taped

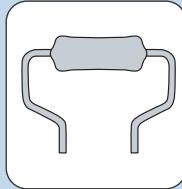


Taped on reel

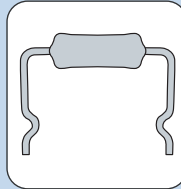
Lead Type(Formed)



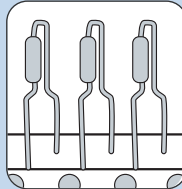
Type M



Type T



Type S



Radial Taped