

New

Type **K33**

Metallized polypropylene D.C. link capacitors



 **Kendeil**TM

Preliminary Catalogue - K33 will be available for orders starting 01/01/2012

APPLICATIONS

- Designed for professional power electronics
- Motor drives, electrical and hybrid vehicles

GENERAL INFORMATION

Reference	IEC 61071-1
IEC climatic	40/70/21 IEC 68-1
Storage temperature	-40 to +85°C
Temperature range	-40 to +70°C
Case	Self-extinguishing polypropylene case
Insert style of deck	High current M10 male terminals
Maximum screw torque strength for insert	20Nm x M10
Maximum screw torque strength on fixing points	12 Nm
Dielectric	Self healing polypropylene film
Filling	Self-extinguishing (V0) polyurethane resin
Surge voltage between terminals	X1.5 10 sec 25°C
Test voltage terminal to case	5KV 50Hz for 60 sec
Capacitance deviation range temperature	±1.5% @ 25°C
Tolerance	-10% +10%
Mounting	Horizontal
Maximum ripple current	140A
Max dV/dt	≤ 150 V/μsec
Life	100000 H @ 85°C
Failure Rate	300 FIT
Expected life estimation based on application conditions and our life formula	Please contact our technical service
End life criteria	±10% cap

MECHANICAL SPECIFICATIONS

Dimensions in mm



K33 TYPE STANDARD RATINGS

RATED VOLTAGE VDC	Cap μF	D x L x H mm	Weight gr	ESR mΩ 10 KHz	ESL nH	Ir a.c.	Ir a.c.	Ir a.c.	dV/dt V/μsec	I pk A	PART NUMBER Termination digit excluded
						max 10 KHz 40°C	max 10 KHz 55°C	max 10 KHz 75°C			

750V

1500 160x222x150
2200 160x222x150

Under construction

K3375015200K0K222
K3375022200K0K222

RATED VOLTAGE VDC	Cap μF	D x L x H mm	Weight gr	ESR mΩ 10 KHz	ESL nH	Ir a.c.	Ir a.c.	Ir a.c.	dV/dt V/μsec	I pk A	PART NUMBER Termination digit excluded
						max 10 KHz 40°C	max 10 KHz 55°C	max 10 KHz 75°C			

900V

1000 160x222x150
1300 160x222x150
1500 160x222x150

Under construction

K3390010200K0K222
K3390013200K0K222
K3390015200K0K222

RATED VOLTAGE VDC	Cap μF	D x L x H mm	Weight gr	ESR mΩ 10 KHz	ESL nH	Ir a.c.	Ir a.c.	Ir a.c.	dV/dt V/μsec	I pk A	PART NUMBER Termination digit excluded
						max 10 KHz 40°C	max 10 KHz 55°C	max 10 KHz 75°C			

1100V

800 160x222x150
900 160x222x150
1000 160x222x150
1100 160x222x150
1200 160x222x150

Under construction

K3311180100K0K222
K3311190100K0K222
K3311110200K0K222
K3311111200K0K222
K3311112200K0K222