



FEATURES

Small Size - Good dvdt - EN60252-1 rated

APPLICATIONS

AC Application - Motor Run - AC/DC Motor Controls -
Switching Power Supplies

Operating Temperature Range		-40°C to +100°C without approvals -25°C to +85°C with approvals					
Capacitance Tolerance		±10% at 1 kHz, 25°C ±5% optional					
Peak, AC voltage (50/60 Hz)	Code	A04	A03	A02	A01	A05	
	WVDC	370	500	600	800	1200	
	SVDC	470	625	750	1050	1500	
	VAC	160/200	250/320	320/400/430	400/432/500	500/600	
Dissipation Factor (MAX) Tan δ at 1 kHz and 25°C		C<2.2uF	2.2<C<15uF	15<C<22uF	C>22uF		
		.06%	.1%	.12%	.15%		
Insulation Resistance @25°C (<70% RH)for 1 minute at 100VDC applied		10000 MΩ, C<1uF 3000 MΩxuF, C≥1uF					
Self Inductance		<1 nano-Henry per mm of lead spacing					
Dielectric Strength		Terminal to Terminal			Terminal to Case		
		160% of VAC for 60 Seconds and 25°C or 200% VAC applied for 60 Seconds and 25°C for EN 60252-1 approval			3kVAC (50/60 Hz) applied for 60 Seconds and 25°C		
Damp Heat		56 days with no voltage applied at +40C and 93%(+2%) relative humidity					
		Capacitance Change			<+2% of initially measured value		
		Dissipation Factor			≤.001 at 1 kHz for C>0.1uF		
		Insulation Resistance			>50% of minimum specified value		
Reliability	WVDC	Class A	Class B	Class C	Class D		
	Hours	30000	10000	3000	1000		
	test	6000	2000	600	200		
Failure quota		500/10 ⁹ component hours					
Construction		metallized film					
Coating		Flame Retardant Plastic box with epoxy end fill(UL94V0)					
Lead terminations		Lead free tinned copper leads					



Voltage code	WVDC/ SVDC	VAC	Agency standard	Description	Certification Approval
A04	350/ 425	160 200	UL 810 CSA 22.2	Construction only (E192977) 190-M-1985 30000 hrs. Continuous Service 3000 hrs. Continuous Service	Class A Class C
A03	500/ 625	275 320	UL 810 CSA 22.2	Construction only (E192977) 190-M-1985 30000 hrs. Continuous Service 10000 hrs. Continuous Service 3000 hrs. Continuous Service	Class A Class B Class C
A02	600/ 750	320 400 430	UL 810 CSA 22.2 EN60252-1 EN60252-1 EN60252-1	Construction only (E192977) 190-M-1985 30000 hrs. Continuous Service 10000 hrs. Continuous Service 1000 hrs. Continuous Service	Class A Class B Class D
A01	800/ 1050	400 430 500	UL 810 CSA 22.2 EN60252-1 EN60252-1 EN60252-1	Construction only (E192977) 190-M-1985 30000 hrs. Continuous Service 10000 hrs. Continuous Service 3000 hrs. Continuous Service	Class A Class B Class C
A05	1200/ 1500	500 600	UL 810 CSA 22.2	Construction only (E192977) 190-M-1985 10000 hrs. Continuous Service 3000 hrs. Continuous Service	Class B Class C

Terminal Style Selection

S5	5mm+/-1mm	Solid tinned copper wire
L30	30mm+/-5mm	Solid tinned copper wire
CXX	Customer specified	Insulated Solid tinned copper wire (50-200mm Lead length)
MXX	Customer specified	Insulated Stranded tinned copper wire (50-200mm Lead length)

Lead Spacing

L	26.5	32	39.5	42.5
S	22.5	27.5	35	37.5
d	0.8	0.8	0.8	1.0



