

Capacitor Specifications		IGBT Snubber Capacitors				
Design reference no:		MP-4-459 REV 00			DATE:22.06.2016	
Description:		1.0 MFD K 700 VDC E1 OTL				
Construction		Customer : Ozdisan				
Dielectric : Polypropylene Film						
Reference standard : IEC 610701						
Flamability UL94-V0, RoHS compliant						
Dimensions are in mm						
Case code	Dimensions					
E1	B±1	H±1	L±1	P ± 0.5	Y min	Terminal Style
	20	36	42	14-24	4.9	OTL
Electrical parameters						
1	Nominal Capacitance at 1 KHz and 25 deg. C					1.0 Micro Farad
2	Capacitance Tolerance					K ±10%
3	Rated Voltage DC at 25 deg. C					700
4	Rated Voltage AC at 25 deg. C and 50 Hz.					420
5	Test voltage between terminals for 10 secs.					1400 Vdc
6	Tan D at 1Khz and 25 deg. C					<0.0005
7	Effective series inductance (ESL)					12 nH
8	IR at 25° C and at a test voltage of 100 Vdc applied for 60 secs.					≥30000 mega Ohms
9	Maximum DV/DT					615 V/μS
10	I peak					615 Amp
11	I rms at 100 Khz & 70 deg C					15.50 Amperes
12	Temperature range					-40 deg.C to +85 deg. C
13	Max.ESR at 100 KHz (±30%)					3.30 milli ohms
Prepared by		Verified by		Approved by		
<i>[Signature]</i>		<i>[Signature]</i>		<i>[Signature]</i>		

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