

SOLI ELECTRONICS (HUI-DONG) CO., LTD.

FARNELL PART NO: 9419020

DESCRIPTION: 1000 μ F/35V TG12-M 13*27

SOLI PART NO: HT102M1VB-1327(E)



Unit : mm

L	27
Φ D	13
Φ d	0.6
α	2.0
β	1.0

ITEM	CHARACTERISTIC									
Operating Temperature Range	-40℃ ~ +105℃									
Capacitance Tolerance	±20 % (120Hz, 20℃)									
Capacitance	1000 μ F									
Rated Voltage	35VDC									
Surge Voltage	44 VDC									
Leakage Current (at 20℃)	$I \leq 700 \mu A$ After 2 minutes									
Dissipation Factor (Tan δ at 120Hz, 20℃)	≤ 12% (120Hz, 20℃)									
Ripple Current (rms 120Hz)	721 mA 105℃									
Low Temperature Characteristics (at 120Hz)	<table border="1"> <tr> <td colspan="2">Rated Voltage</td> <td>35V</td> </tr> <tr> <td>Impedance</td> <td>Z(-25℃)/Z(+20℃)</td> <td>2</td> </tr> <tr> <td>Ratio</td> <td>Z(-40℃)/Z(+20℃)</td> <td>4</td> </tr> </table>	Rated Voltage		35V	Impedance	Z(-25℃)/Z(+20℃)	2	Ratio	Z(-40℃)/Z(+20℃)	4
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Load Life After 1000hours application of rated voltage at 105℃, capacitors meet the characteristics requirements listed at right.	<table border="1"> <tr> <td>Leakage Current</td> <td>Initial specified value or less</td> </tr> <tr> <td>Capacitance Change</td> <td>Within ±20% of initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Less than 200% of specified value</td> </tr> </table>	Leakage Current	Initial specified value or less	Capacitance Change	Within ±20% of initial value	Dissipation Factor	Less than 200% of specified value			
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Dissipation Factor	Less than 200% of specified value									
Shelf Life	After leaving capacitors under no load at 105℃ for 1000 hours and applying voltage they meet the specified value for load life characteristics listed above.									
Marking	<p style="text-align: right;">Black (41#)</p>									
Standards	Satisfies Characteristic W of JIS C 5141									
Publish Date	2005.12.01	APPROVED	Checked	Designed						
Revise Date										
Edition NO.										