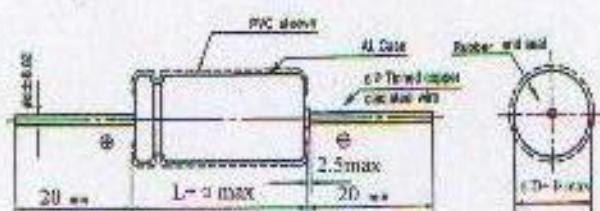


# SOLI ELECTRONICS ( HUI-DONG ) CO., LTD.

FARNELL PART NO: 9419020

DESCRIPTION: 1000  $\mu$  F/35V TG12-M 13\*27

SOLI PART NO: HT102M1VB-1327(E)



UNIT (mm)

Unit : mm	
L	27
$\Phi$ D	13
$\Phi$ d	0.6
$\alpha$	2.0
$\beta$	1.0

ITEM	CHARACTERISTIC										
Operating Temperature Range	-40°C ~ +105°C										
Capacitance Tolerance	$\pm 20\%$ ( 120Hz, 20°C )										
Capacitance	1000 $\mu$ F										
Rated Voltage	35VDC										
Surge Voltage	44 VDC										
Leakage Current ( at 20°C )	I $\leq 700 \mu$ A After 2 minutes										
Dissipation Factor ( Tan $\delta$ at 120Hz, 20°C )	$\leq 12\%$ ( 120Hz, 20°C )										
Ripple Current ( rms120Hz )	721 mA 105°C										
Low Temperature Characteristics (at 120Hz)	<table border="1"> <thead> <tr> <th></th> <th>Rated Voltage</th> <th>35V</th> </tr> </thead> <tbody> <tr> <td>Impedance Ratio</td> <td>Z(-25°C)/Z(+20°C)</td> <td>2</td> </tr> <tr> <td></td> <td>Z(-40°C)/Z(+20°C)</td> <td>4</td> </tr> </tbody> </table>			Rated Voltage	35V	Impedance Ratio	Z(-25°C)/Z(+20°C)	2		Z(-40°C)/Z(+20°C)	4
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Impedance Ratio	Z(-25°C)/Z(+20°C)	2									
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Load Life After 1000hours application of rated voltage at 105°C, capacitors meet the characteristics requirements listed at right.	<table border="1"> <thead> <tr> <th>Leakage Current</th> <th>Initial specified value or less</th> </tr> </thead> <tbody> <tr> <th>Capacitance Change</th> <th>Within <math>\pm 20\%</math> of initial value</th> </tr> <tr> <th>Dissipation Factor</th> <th>Less than 200% of specified value</th> </tr> </tbody> </table>		Leakage Current	Initial specified value or less	Capacitance Change	Within $\pm 20\%$ of initial value	Dissipation Factor	Less than 200% of specified value			
Leakage Current	Initial specified value or less										
Capacitance Change	Within $\pm 20\%$ of initial value										
Dissipation Factor	Less than 200% of specified value										
Shelf Life	After leaving capacitors under no load at 105°C for 1000 hours and applying voltage they meet the specified value for load life characteristics listed above										
Marking											
Standards	Satisfies Characteristic W of JIS C 5141										
Publish Date	2005.12.01	Approved									
Revise Date		Checked									
Edition NO.		Designed									



2005.12.01  
张正良

李文盛