

Defines at 25°C emploret temperature unloss otherwise enseified

Ratings at 25°C ambient temperature unless otherwise specified.

Α	B	S	Ο	L	J	Ē	R	AT	ΊN	G	S	

PAR	METER		SYMBOL	VALUE		UNIT		
Maximum repetitive peak rever	se voltage		VRRM	100		V		
Maximum DC blocking voltage			V _{DC}	100		V		
Average rectified forward curre	nt	@Tc = 120°C	lF	10		А		
Peak forward surge 8.3ms sing rated load	le half sine-wav	e superimposed on	I _{FSM}	120		А		
Operating temperature range			TJ	-55 ~ +150		°C		
Storage temperature range			T _{STG}	-55 ~ +150		°C		
STATIC ELECTRICAL CHARACTERISTICS								
PARAMETER	TEST CONDITION		SYMBOL	ТҮР	MAX	UNIT		
Forward voltage (Note 1)	IF=10A	T _J = 25°C T _J = 125°C	VF	0.74 0.70	0.80 0.76	V		
Reverse leakage current	VR=100V	T _J = 25°C T _J = 125°C	I _R	0.01 6	0.12 25	mA		
Typical junction capacitance (N	ote 2)		CJ	610		pF		
THERMAL CHARACTERISTICS								
PAR	METER		SYMBOL	ТҮР		UNIT		
			RthJ _A	15				
Typical thermal resistance (Not	e 3,4)		RthJ∟	3		°C/W		
			RthJ _c	2				

Note :

(1) 300us pulse width, 2% duty cycle

(2) Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

(3) Thermal resistance test is performed in accordance with JESD-51.

(4) The unit mounted 50mm x 50 mm x 2 mm copper pad.

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REV.-5, Sep.-2019, KSHA35

RATING AND CHARACTERISTIC CURVES G10100F4

LITEON



MECHANICAL INFORMATION G10100F4

Package Dimension :



F4					
DIM.	MIN.	TYP.	MAX		
Α	1.05	1.15	1.25		
В	2.90	3.05	3.20		
B1	1.20	1.34	1.50		
B2	1.20	1.34	1.50		
B3	3.30	3.45	3.60		
B4	0.60	0.75	0.90		
B5	4.75	4.90	5.05		
B6	4.19	4.34	4.49		
B7	3.42	3.58	3.72		
B8	0.72	0.90	1.08		
B9	0.02	0.10	0.20		
B10	0.85	1.00	1.15		
B11	4.05	4.20	4.35		
B12	0.08	0.23	0.38		
B13	1.30	1.50	1.70		
С	0.15	0.25	0.35		
D	5.05	5.20	5.35		
Е	6.55	6.70	6.85		
E1	5.95	6.10	6.25		
F	4.85	5.00	5.15		
G	2.10	2.24	2.40		
L	0.68	0.82	1.00		
All dimension in millimeter					

Soldering Pad Layout :



DIM.	MILLIMETERS	INCHES.		
С	0.7725	0.0304		
D	2.2250	0.0876		
E	0.4350	0.0171		
F	3.8000	0.1496		
х	1.7300	0.0681		
X1	5.5000	0.2165		
Y	1.4300	0.0562		
Y1	5.3000	0.2087		







7.5+/-0.1

1.5

1.75

2.0+/-0.1

16.0+/-.30

8.0+/-0.1

7.05

MARKING AND PACKAGING INFORMATION G10100F4







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