



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

Features

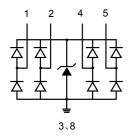
- Halogen free available upon request by adding suffix "-HF"
- Lead Free Finish/RoHS Compliant ("P" Suffix designates
- RoHS Compliant. See ordering information)
 Epoxy meets UL 94 V-0 flammability rating
- Epoxy meets of 94 v-0 harming
 Moisture Sensitivity Level 1
- Small package saves board space
- Protects four(4) I/O lines
- Low clamping voltage
- 150W peak pulse power (tp=8/20us)

Maximum Ratings

• Operating Junction & StorageTemperature: -55°C to +150°C

	Symbol	Limits	unit
Air		±17	кv
Contact		±12	κv
IEC61000-4-5 (Surge): @ 8/20us		5	Α
Peak Pulse Power: @ 8/20us		150	W
	Contact 8/20us	Air Contact 8/20us	Air ± 17 Contact ± 12 8/20us5

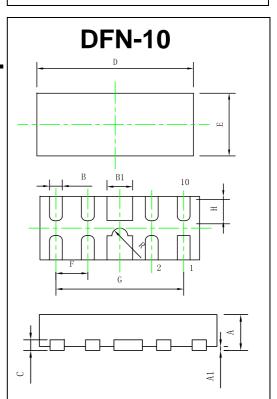
PinConfiguration



Pin	Identification
1,2,4,5	Input lines
6,7,9,10	Output Lines
3,8	Ground

ESDLC0524DFN10





DIMENSIONS					
	INCHES		ММ		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.016	.020	0.40	0.50	
A1		.002		0.05	
В	.006	.010	0.15	0.25	
B1	.014	.018	0.35	0.45	
С	.004	.008	0.10	0.20	
D	.095	.102	2.40	2.60	
Ш	.035	.043	0.90	1.10	
F	.020BSC		0.50BSC		
G	.079BSC		2.00BSC		
Н	.012	.017	0.30	0.425	
R	.005	.005	0.12	0.13	

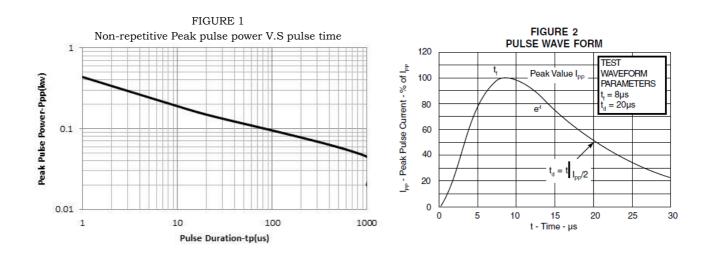
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Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse stand-off voltage	V _{RWM}	Any I/O Pin to GND			5	V
Reverse Breakdown voltage	V _{BR}	Iz=1mA Any I/O Pin to GND	6.1		8.5	V
Reverse Leakage Current	I _R	V _R =5V Any I/O Pins to GND			0.9	μA
Forward Voltage	V _F	$I_{\rm F}{=}15\text{mA}$ GND to any I/O Pins			1.15	V
Junction Capacitance	C _{I/O-GND} C _{I/O-I/O}	V _R =0V f = 1MHz			0.8 0.4	pF
Clamping voltage	Vc	Ipp=1A tp=8/20 us			15	V
Clamping voltage	Vc	Ipp=5A tp=8/20 us			28	V

Electrical characteristics per line@25°C(unless otherwise specified)

Typical Characteristics



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Typical Characteristics

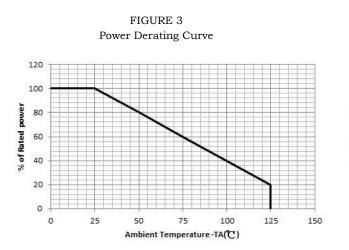


FIGURE 4 Normalized Capacitance vs.Reverse Voltage

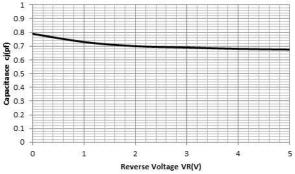
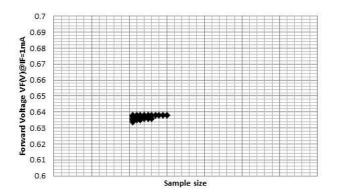
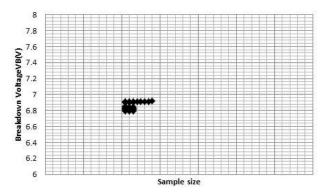


FIGURE 5 Forward Voltage VF Map GND to I/O pins

FIGURE 6 Breakdown Voltage VB Map Any I/OPin to GND.





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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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