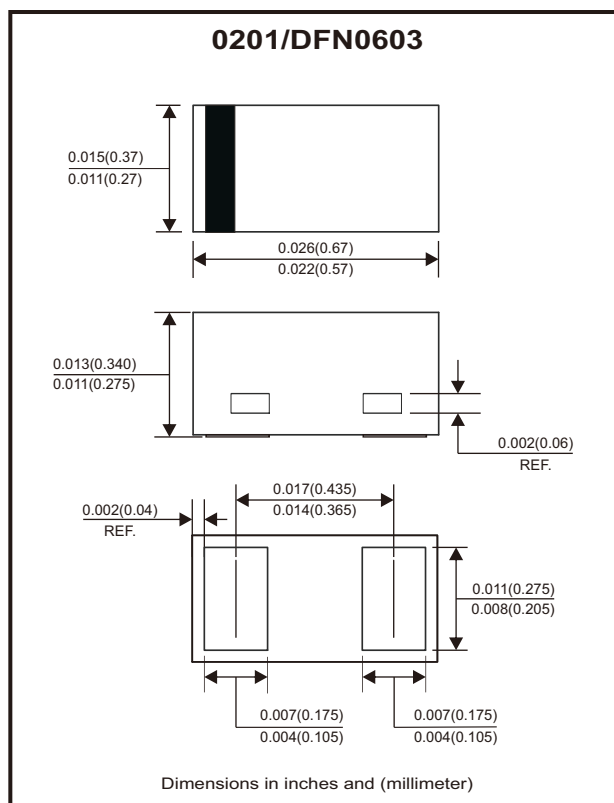


RoHS Device Halogen Free



Parameter	Conditions	Symbol	Min	Typ	Max	Unit
Reverse voltage		V _R			40	V
Average rectified forward current		I _O			100	mA
Forward current, surge peak (60Hz*1cycle)	8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I _{FSM}			500	mA
Operating temperature range		T _J	-40		+125	°C
Storage temperature range		T _{STG}	-40		+125	°C

Parameter	Conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F = 10\text{mA}$	V_F		0.33	0.37	V
	$I_F = 100\text{mA}$				0.80	
Reverse current	$V_R = 10\text{V}$	I_R			7	μA
	$V_R = 40\text{V}$				20	
Capacitance between terminals	$V_R = 1\text{V}, f = 1\text{MHz}$	C_T		4		pF

Typical Rating and Characteristic Curves (CDBZC0140L-HF)

Fig.1 - Forward Characteristics

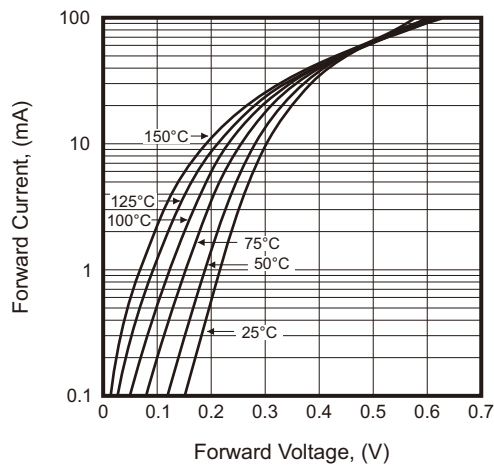


Fig.2 - Reverse Characteristics

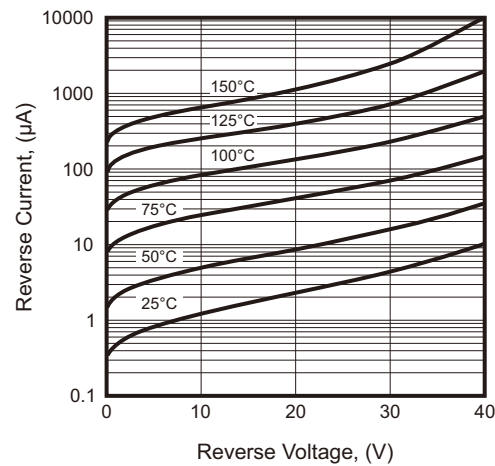


Fig.3 - Typical Capacitance Between Terminals Characteristics

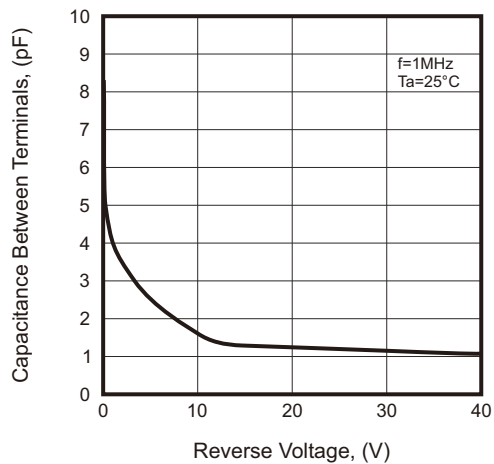
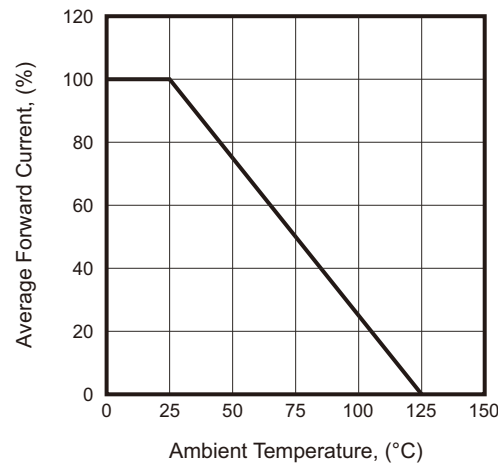
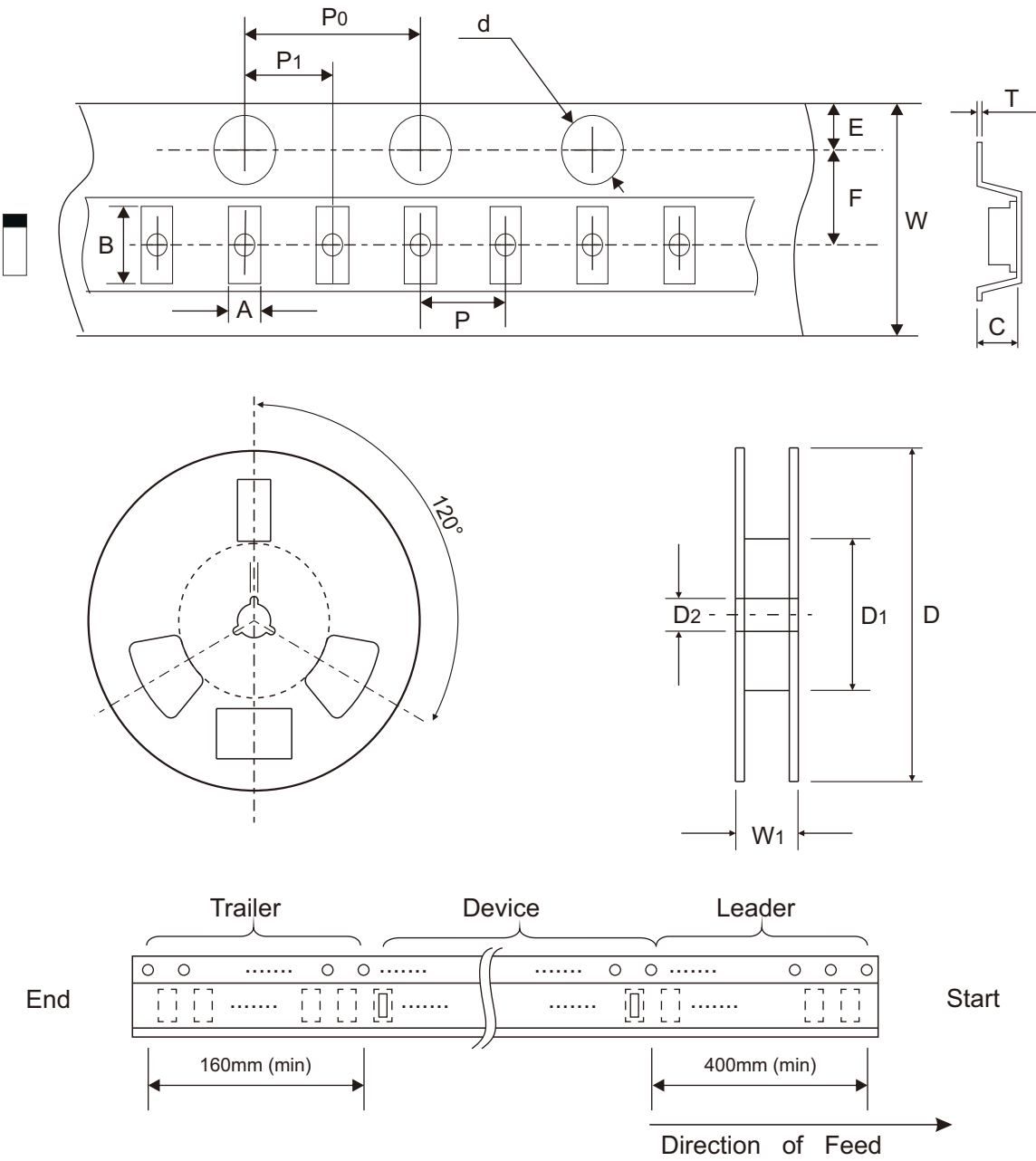


Fig.4 - Current Derating Curve



Reel Taping Specification



0201 (DFN0603)	SYMBOL	A	B	C	d	D	D1	D2
	(mm)	0.44 ± 0.03	0.74 ± 0.03	0.40 ± 0.03	$1.50 + 0.10 - 0.00$	178.00 ± 1.00	60.00 ± 0.50	13.50 ± 0.20
	(inch)	0.017 ± 0.001	0.029 ± 0.001	0.016 ± 0.001	$0.059 + 0.004 - 0.000$	7.008 ± 0.039	2.362 ± 0.020	0.531 ± 0.008

0201 (DFN0603)	SYMBOL	E	F	P	P0	P1	T	W	W1
	(mm)	1.75 ± 0.10	3.50 ± 0.05	2.00 ± 0.05	4.00 ± 0.10	2.00 ± 0.05	0.20 ± 0.03	$8.00 + 0.30 - 0.10$	$12.00 + 0.50 - 0.00$
	(inch)	0.069 ± 0.004	0.138 ± 0.002	0.079 ± 0.002	0.157 ± 0.004	0.079 ± 0.002	0.008 ± 0.001	$0.315 + 0.012 - 0.004$	$0.472 + 0.020 - 0.000$

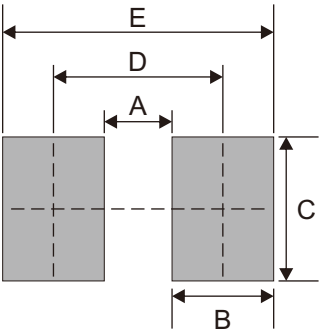
Marking Code

Part Number	Marking Code
CDBZC0140L-HF	L



Suggested P.C.B. PAD Layout

SIZE	0201(DFN0603)	
	(mm)	(inch)
A	0.16	0.006
B	0.24	0.009
C	0.34	0.013
D	0.40	0.016
E	0.64	0.025



Standard Packaging

Case Type	REEL PACK	
	REEL (pcs)	Reel Size (inch)
0201 (DFN0603)	10,000	7

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