

RATING AND CHARACTERISTIC CURVES (CDBQR0130R)

Fig. 1 - Forward characteristics

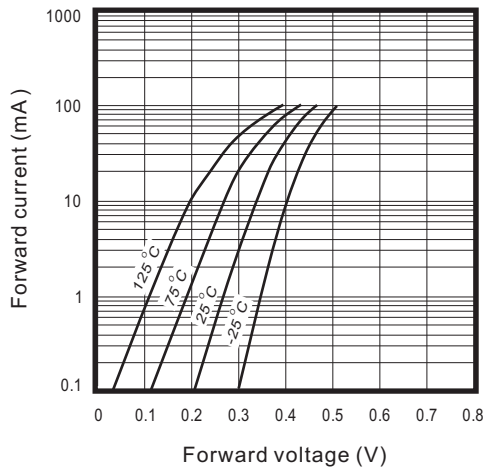


Fig. 2 - Reverse characteristics

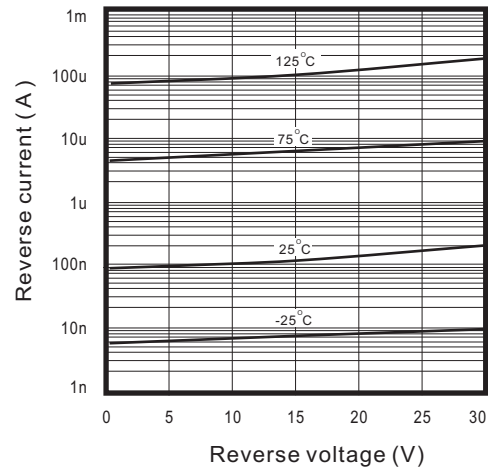


Fig. 3 - Capacitance between terminals characteristics

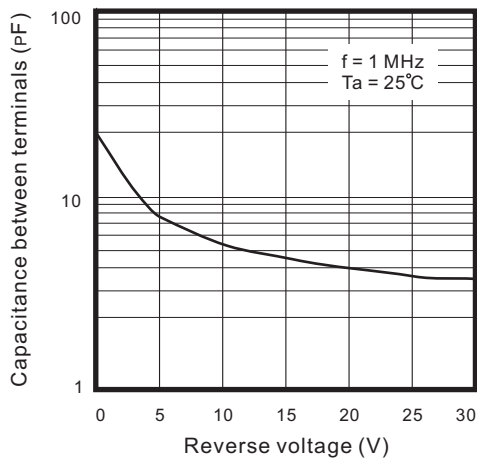


Fig.4 - Current derating curve

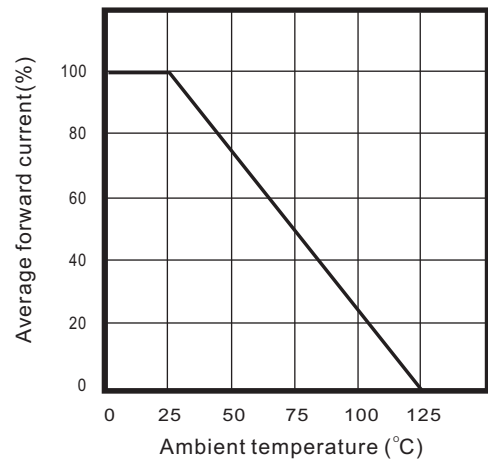


Fig. 5 - VF Dispersion map

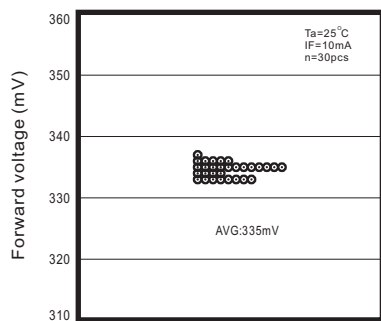


Fig. 6 - IR Dispersion map

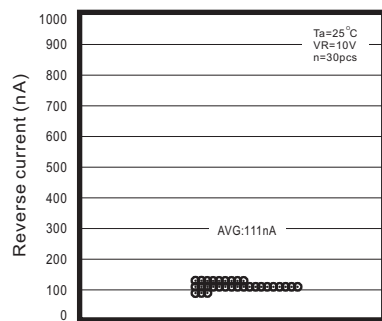


Fig. 7 - CT Dispersion map

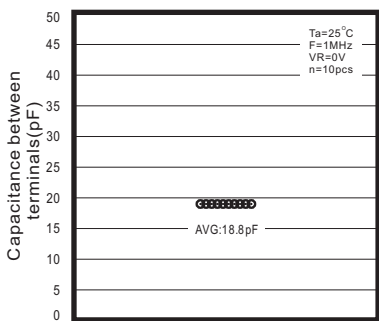


Figure 1 illustrates the geometrical parameters of the device. The top view (a) shows a rectangular device with dimensions P_0 , P_1 , d , E , F , W , B , P , and A . An index hole is indicated. A polarity arrow points upwards. The side view (b) shows dimensions T and C . The top view of the circular electrode array (c) shows a 120-degree angle between electrodes. The cross-sectional view (d) shows dimensions D_2 , D_1 , D , and W_1 .

0402 (SOD-923F)	SYMBOL	E	F	P	P ₀	P ₁	T	W	W ₁
	(mm)	1.75 ± 0.10	3.50 ± 0.05	4.00 ± 0.10	4.00 ± 0.10	2.00 ± 0.10	0.22 ± 0.05	8.00 ± 0.20	13.5 MAX.
	(inch)	0.069 ± 0.004	0.138 ± 0.002	0.157 ± 0.004	0.157 ± 0.004	0.079 ± 0.004	0.009 ± 0.002	0.315 ± 0.008	0.531 MAX.

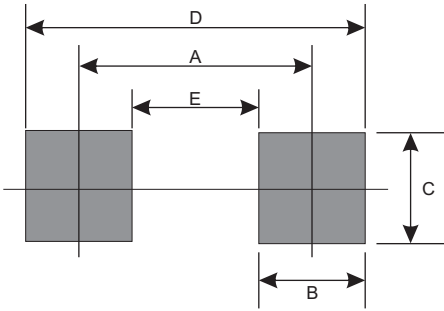
Marking Code

Part Number	Marking Code
CDBQR0130R	BQ



Suggested PAD Layout

SIZE	0402/SOD-923F	
	(mm)	(inch)
A	0.750	0.030
B	0.500	0.020
C	0.700	0.028
D	1.250	0.049
E	0.250	0.010



Standard Package

Case Type	Qty per Reel	Reel Size
	(Pcs)	(inch)
0402/SOD-923F	5000	7