Electrical Characteristics at T_A = 25°C, unless otherwise specified

Parameter	Symbol	Values			Unit
		min.	**typ.**	**max.**	
DC Characteristics					
Reverse current	I_R				nA
V_R = 16 V		-	-	20	
V_R = 16 V, T_A = 65 °C		-	-	200	
AC Characteristics					
Diode capacitance[1] V_R = 2 V, f = 1 MHz	C_T	42	-	47.5	pF
Capacitance ratio V_R = 2 V, V_R = 8 V, f = 1 MHz	C_{T2}/C_{T8}	1.65	1.71	-	
Series resistance V_R = 2 V, f = 100 MHz	r_S	-	0.18	-	Ω
Figure of merit f = 100 MHz, V_R = 2 V	Q	-	200	-	
Temperature coefficient of diode capacitance V_R = 2 V, f = 1 MHz	TC_C	-	330	-	ppm/K

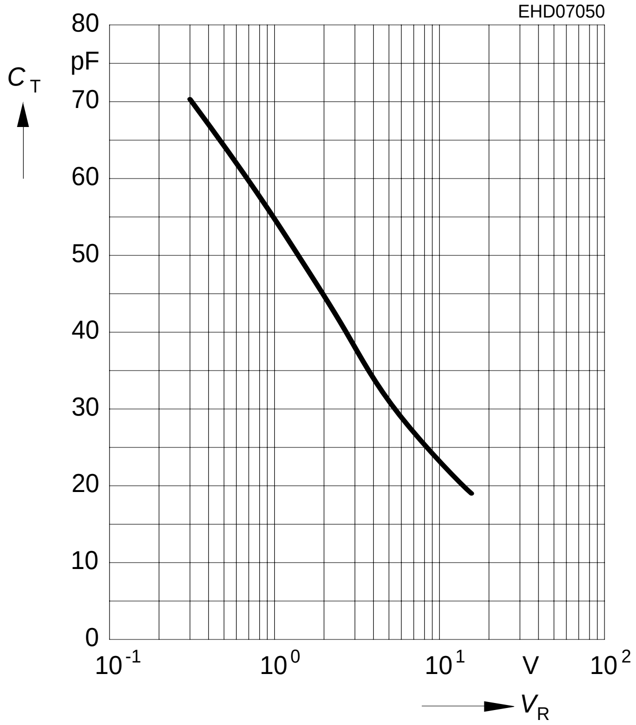
[1] Capacitance groups at 2V , coded 1; 2 ; 3

C_T/groups		1	2	3
C_{2V}	min	43pF	44pF	45pF
C_{2V}	max	44.5pF	45.5pF	46.5pF

The capacitance subgroup is marked by the subgroup number printed on the component and the package label. A packing unit (e.g. 8mm tape) contain diodes of one subgroup only. Delivery of different capacitance subgroups requires a special agreement.

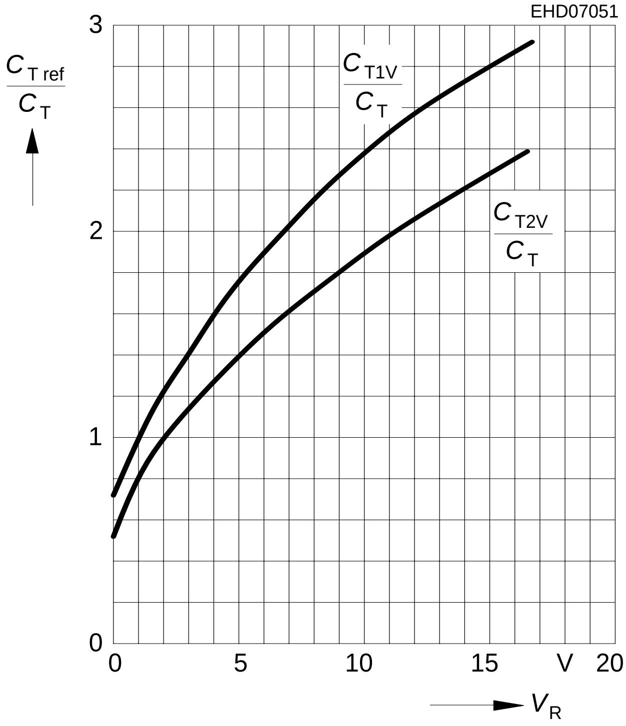
Diode capacitance $C_T = f\,(V_R)$

f = 1MHz

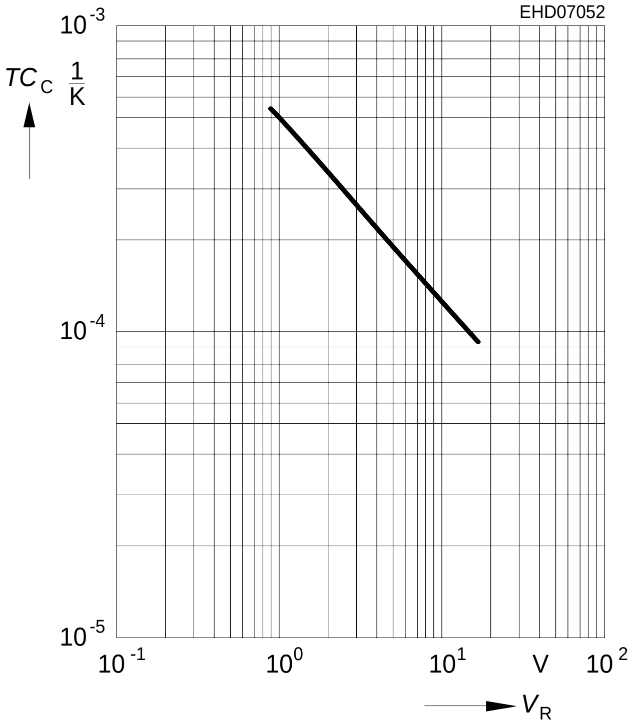


Capacitance ratio $C_{Tref}/C_T = f\,(V_R)$

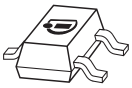
f = 1MHz

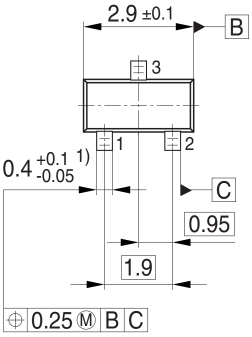


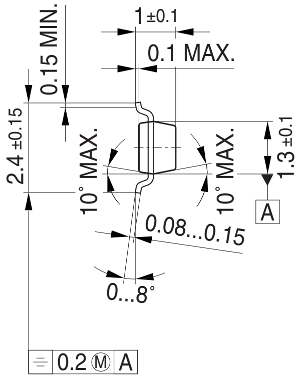
Temperatur coefficient $TC_C = f\,(V_R)$



Package Outline

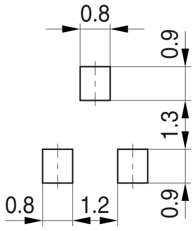




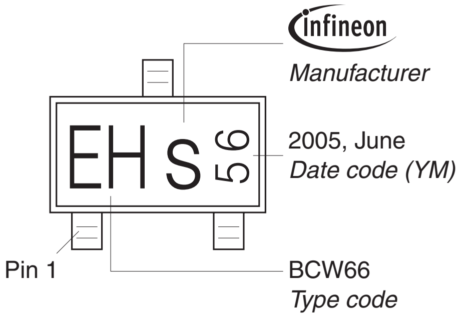


1) Lead width can be 0.6 max. in dambar area

Foot Print

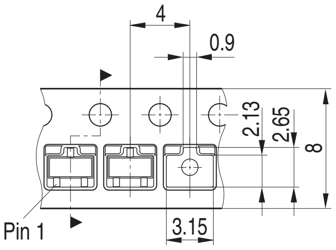


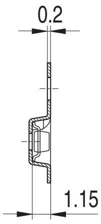
Marking Layout (Example)



Standard Packing

Reel ø180 mm = 3.000 Pieces/Reel
Reel ø330 mm = 10.000 Pieces/Reel





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