

SONY

1T32/1T32A

T-07-19

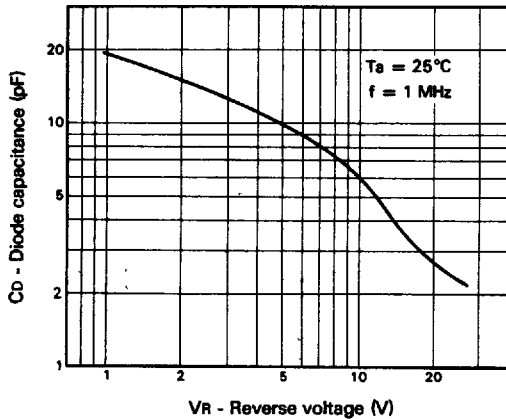
Electrical Characteristics

Ta = 25°C

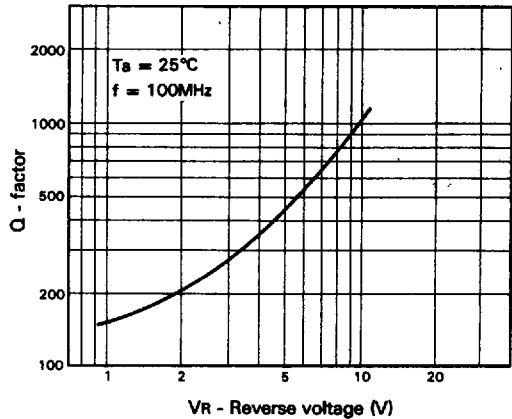
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Reverse current	I_R	$V_R = 28V$			10	nA
Diode capacitance	C_2	$V_R = 2V, f = 1\text{ MHz}$	14.01	15.00	16.33	pF
	C_{25}	$V_R = 25V, f = 1\text{ MHz}$	2.10	2.27	2.39	pF
Serial resistance	r_s	$C_D = 14\text{ pF}, f = 470\text{ MHz}$		0.52	0.6	Ω
Maximum-capacitance deviation in the Same ranking*	ΔC	$V_R = 2\text{ to }25V$			3 (1T32) 2 (1T32A)	%

*Note) Applied only to tuning.

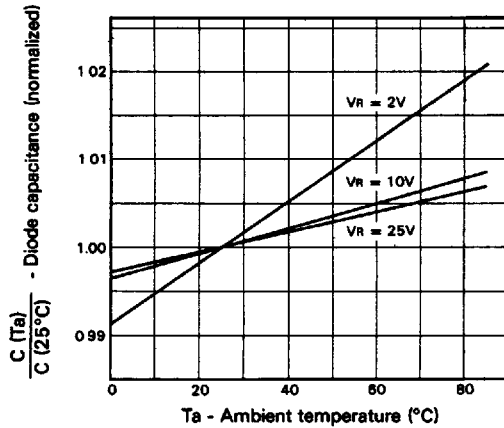
Diode capacitance vs. Reverse voltage



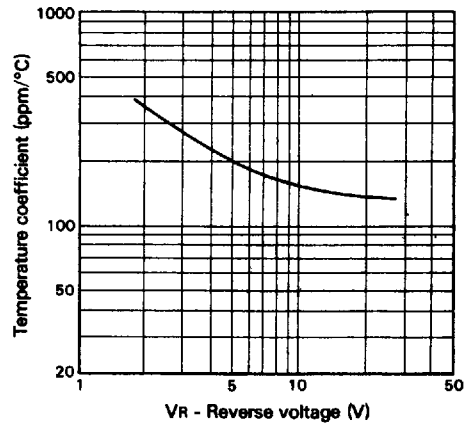
Q - factor vs. Reverse voltage



Diode capacitance vs. Ambient temperature



Temperature coefficient of the diode capacitance

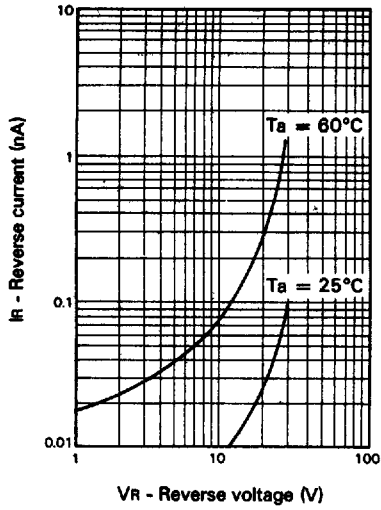


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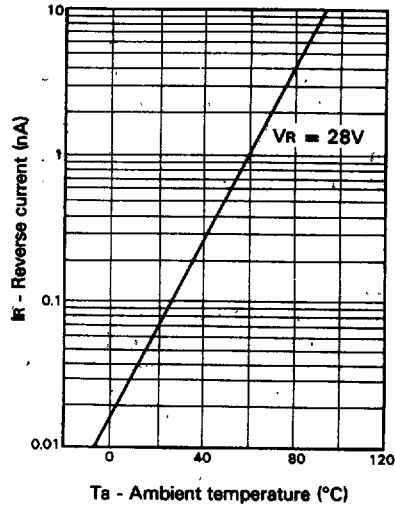
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Reverse current vs. Reverse voltage



Reverse current vs. Ambient temperature



Reverse breakdown voltage vs. Ambient temperature

