

### ●Application

General rectification

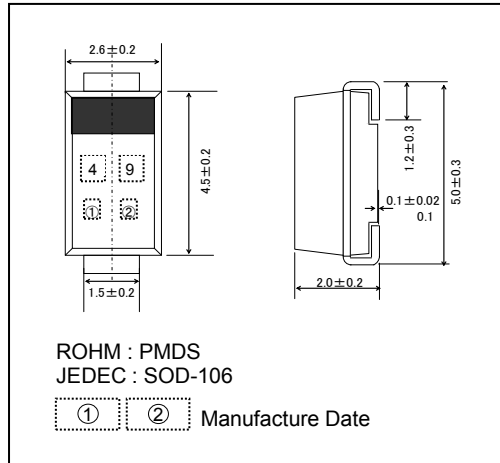
### ●Features

- 1) Small power mold type.  
(PMDS)
- 2) High switching speed
- 3) Low forward voltage

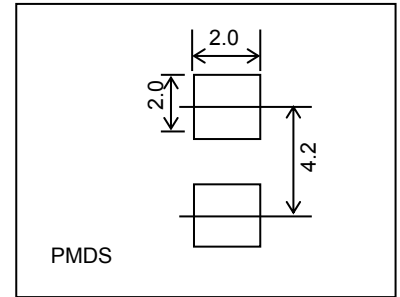
### ●Construction

Silicon epitaxial planar

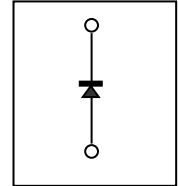
### ●Dimensions (Unit : mm)



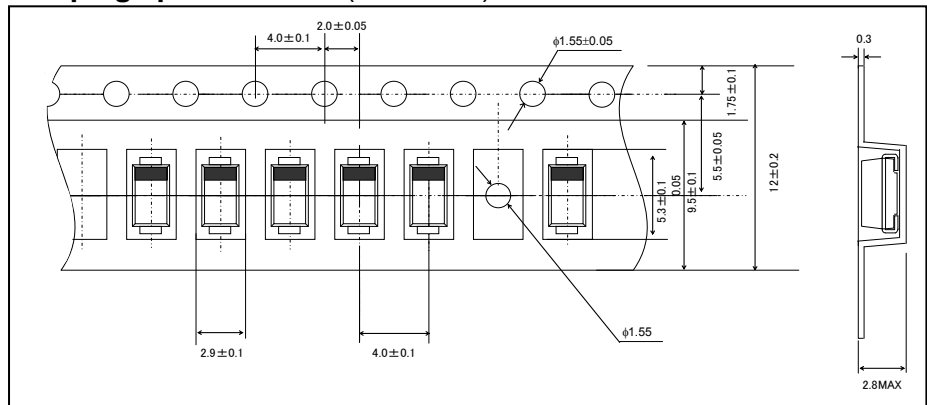
### ●Land size figure (Unit : mm)



### ●Structure



### ●Taping specifications (Unit : mm)



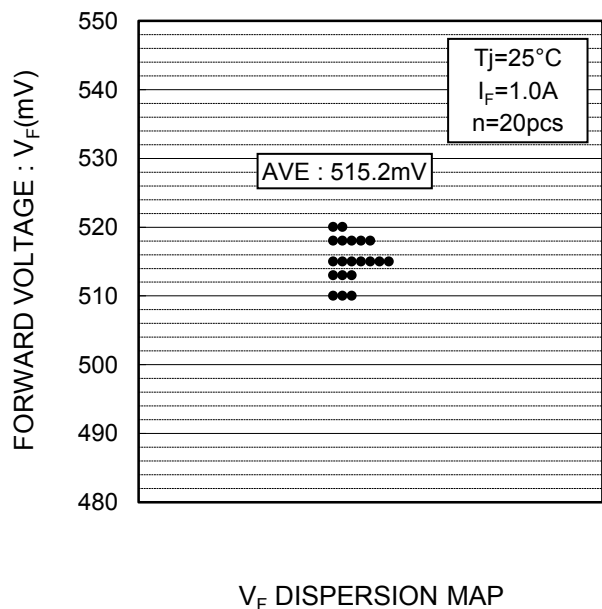
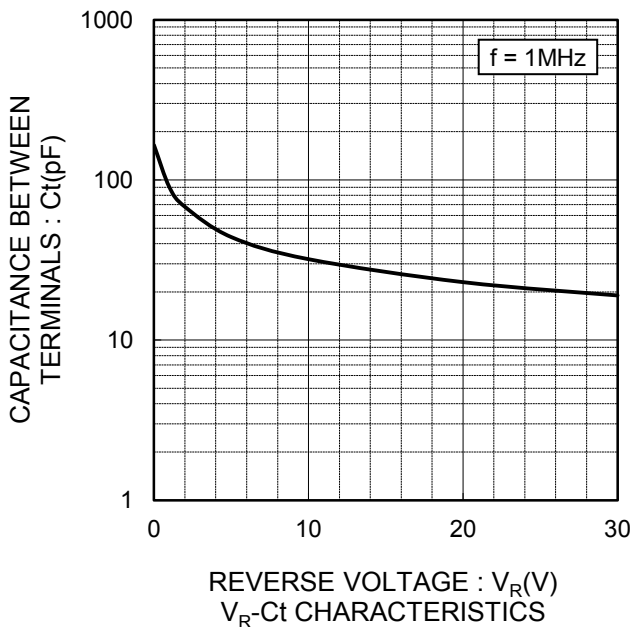
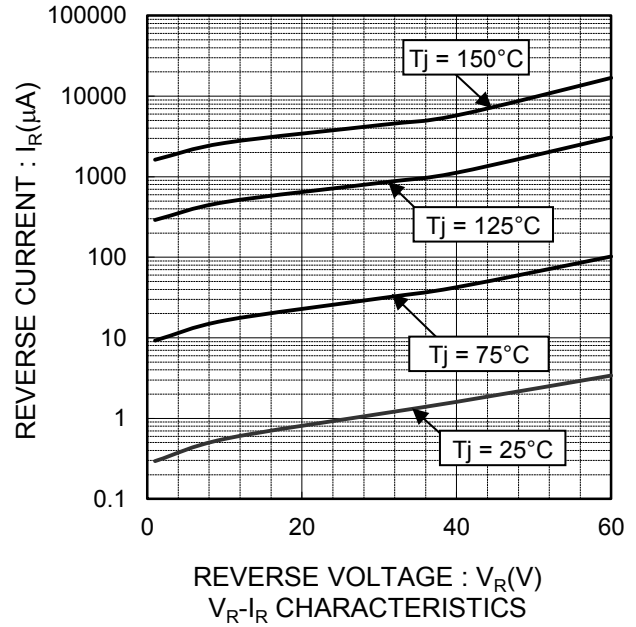
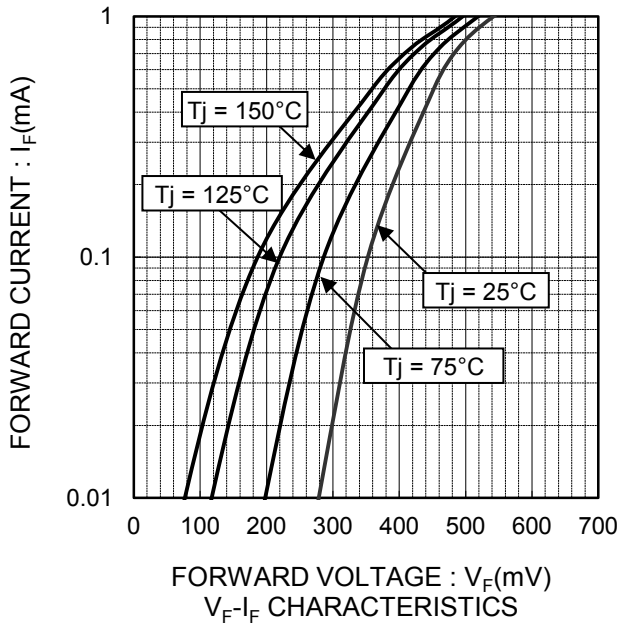
### ●Absolute maximum ratings (Tl = 25°C)

Parameter	Symbol	Limits	Unit	Conditions
Repetitive peak reverse voltage	$V_{RM}$	60	V	$D \geq 0.5$
Reverse voltage	$V_R$	60	V	Direct voltage
Average rectified forward current	$I_o$	1.0	A	Glass epoxy substrate mounted R-road, 60Hz half sin wave
Forward current surge peak	$I_{FSM}$	20	A	60Hz half sin wave, Non-repetitive one cycle peak value, $T_j = 25^\circ C$
Junction temperature	$T_j$	150	°C	
Storage temperature	$T_{stg}$	-40 to +150	°C	

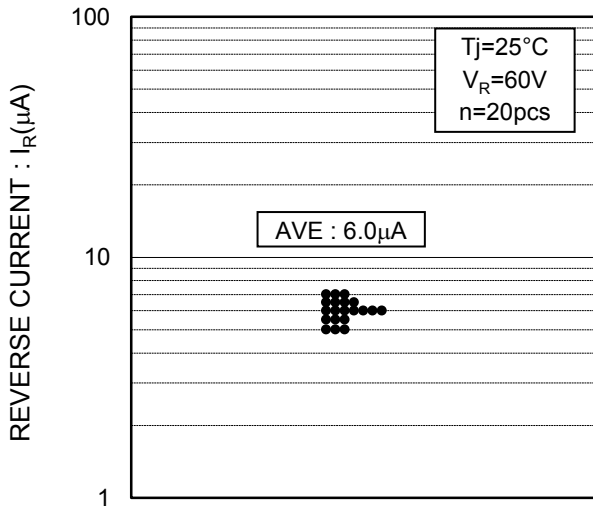
### ●Electrical characteristics (Tj = 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	0.54		V	$I_F = 1.0A$
Reverse current	$I_R$	-	4.0		μA	$V_R = 60V$

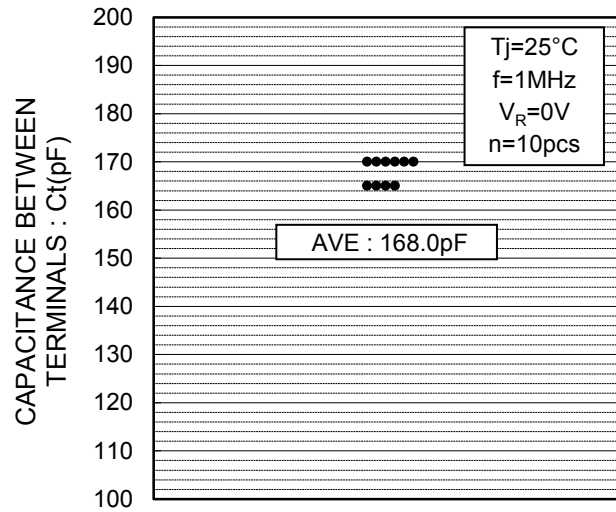
●Electrical characteristic curves



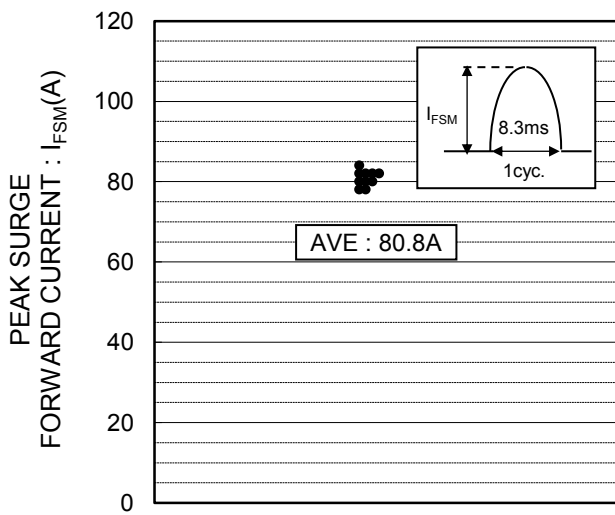
●Electrical characteristic curves



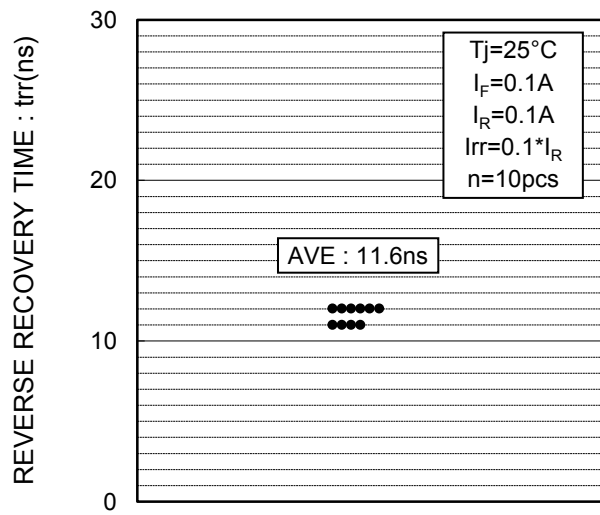
$I_R$  DISPERSION MAP



$C_t$  DISPERSION MAP

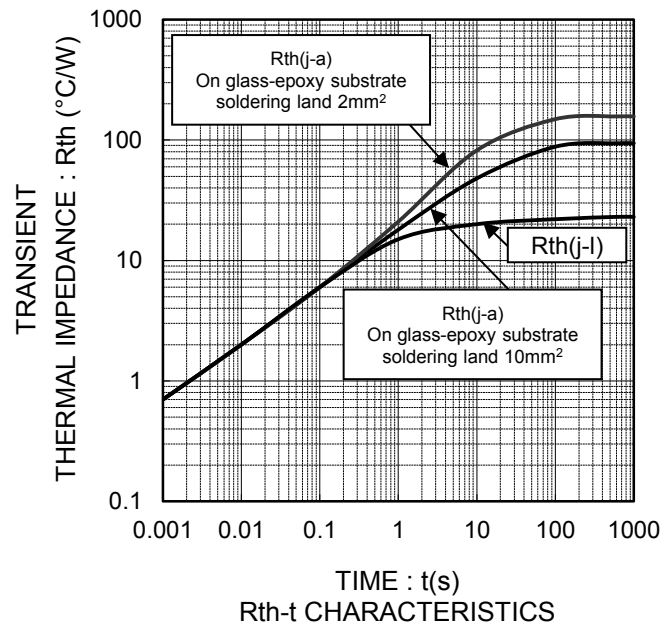
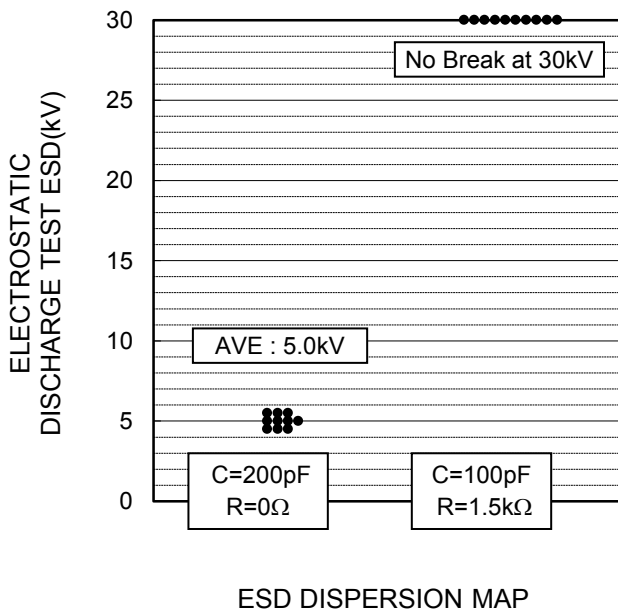
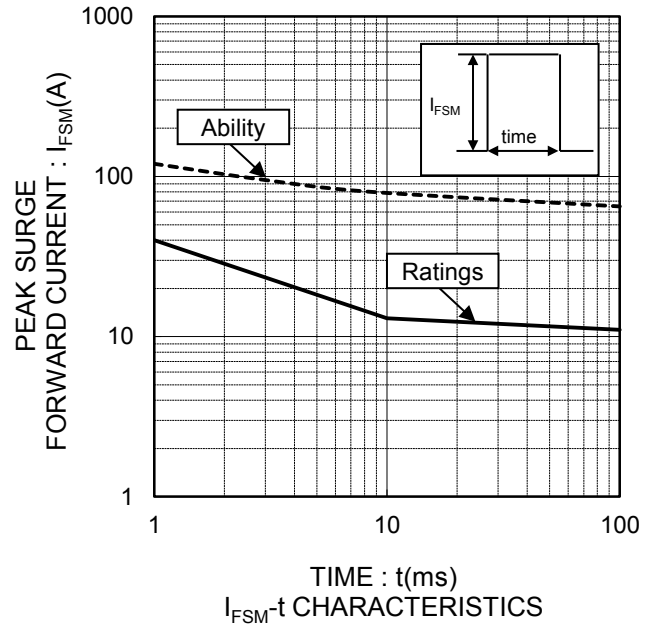
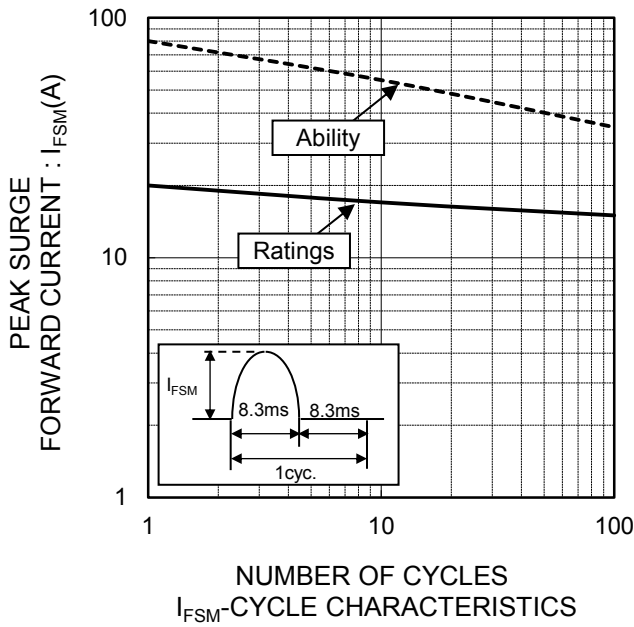


$I_{FSM}$  DISPERSION MAP

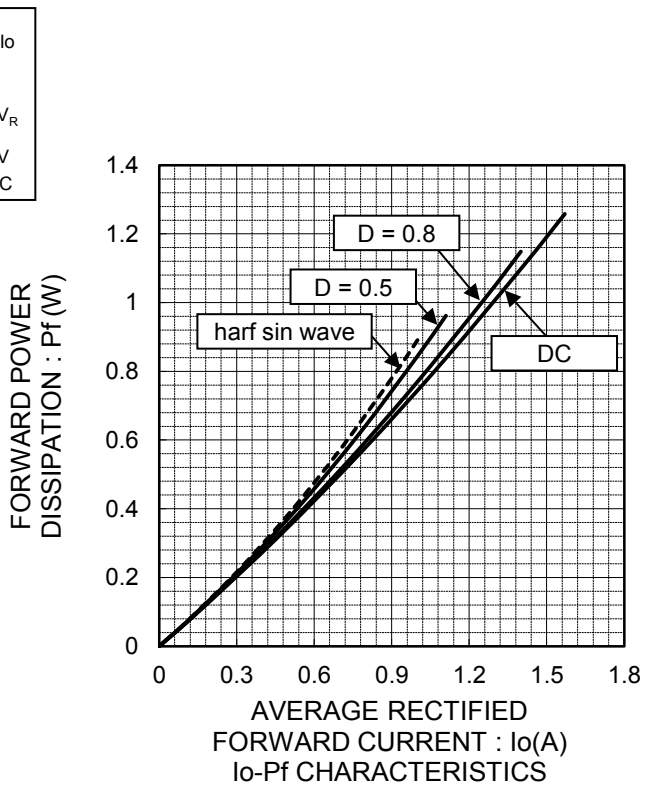
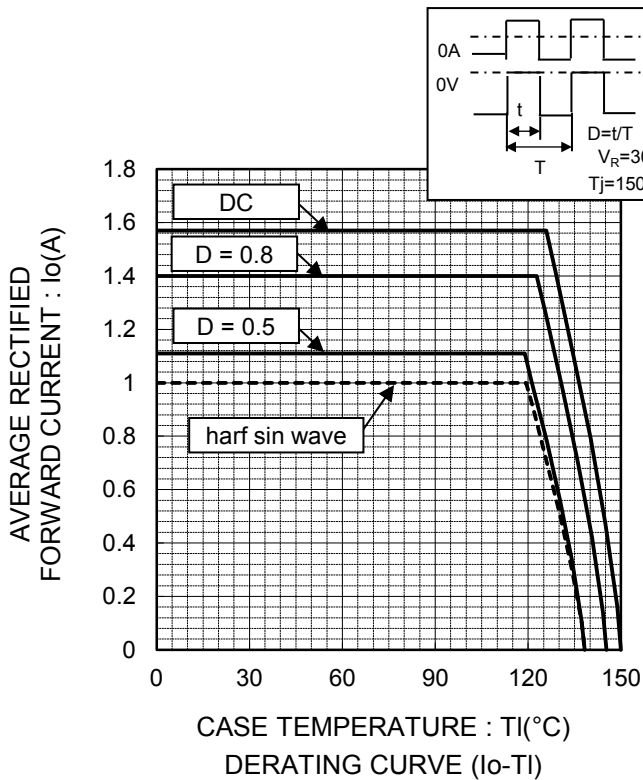
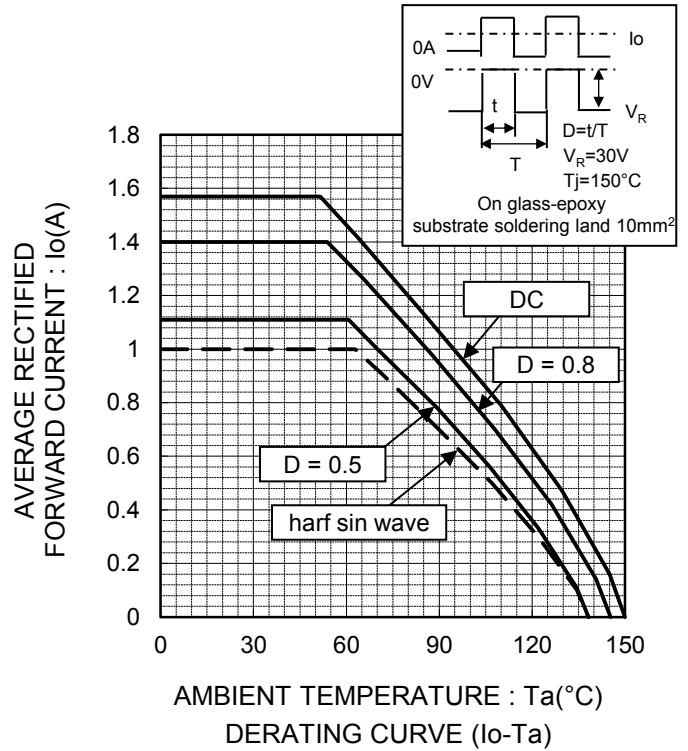
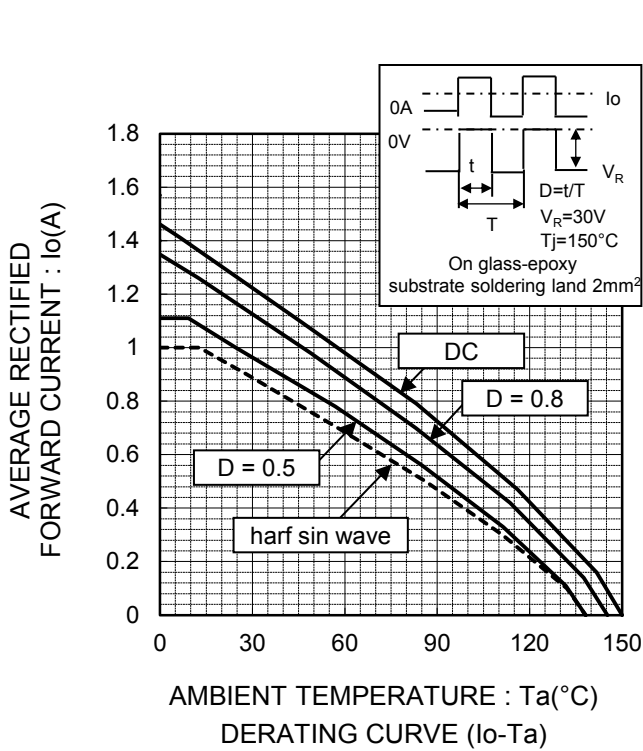


$t_{rr}$  DISPERSION MAP

●Electrical characteristic curves



●Electrical characteristic curves



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